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LOGINID:ssptaask1751

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|-----------------|--|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | JUL 02 | LMEDLINE coverage updated |
| NEWS | 3 | JUL 02 | SCISEARCH enhanced with complete author names |
| NEWS | 4 | JUL 02 | CHEMCATS accession numbers revised |
| NEWS | 5 | JUL 02 | CA/CAPplus enhanced with utility model patents from China |
| NEWS | 6 | JUL 16 | CAPplus enhanced with French and German abstracts |
| NEWS | 7 | JUL 18 | CA/CAPplus patent coverage enhanced |
| NEWS | 8 | JUL 26 | USPATFULL/USPAT2 enhanced with IPC reclassification |
| NEWS | 9 | JUL 30 | USGENE now available on STN |
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| NEWS | 11 | AUG 06 | FSTA enhanced with new thesaurus edition |
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| NEWS | 13 | AUG 20 | CA/CAPplus enhanced with CAS indexing in pre-1907 records |
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| NEWS | 17 | SEP 07 | STN AnaVist, Version 2.0, now available with Derwent World Patents Index |
| NEWS | 18 | SEP 13 | FORIS renamed to SOFIS |
| NEWS | 19 | SEP 13 | INPADOCDB enhanced with monthly SDI frequency |
| NEWS | 20 | SEP 17 | CA/CAPplus enhanced with printed CA page images from 1967-1998 |
| NEWS | 21 | SEP 17 | CAPplus coverage extended to include traditional medicine patents |
| NEWS | 22 | SEP 24 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements |
| NEWS | 23 | OCT 02 | CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt |
| NEWS | 24 | OCT 19 | BEILSTEIN updated with new compounds |
| NEWS EXPRESS | 19 | SEPTEMBER 2007: | CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007. |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS IPC8 | | | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:22:51 ON 30 OCT 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:23:01 ON 30 OCT 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 OCT 2007 HIGHEST RN 951754-22-6

DICTIONARY FILE UPDATES: 28 OCT 2007 HIGHEST RN 951754-22-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s 1,1,1,2-pentafluoropropene

896 1,1,1,2

28 PENTAFLUOROPROPENE

L1 0 1,1,1,2-PENTAFLUOROPROPENE

(1,1,1,2(W) PENTAFLUOROPROPENE)

=> s 1,1,1,2-pentafluoropropylene

896 1,1,1,2

12 PENTAFLUOROPROPYLENE

L2 0 1,1,1,2-PENTAFLUOROPROPYLENE

(1,1,1,2(W) PENTAFLUOROPROPYLENE)

=> s hfo-1234

43 HFO

2 HFOS

45 HFO

(HFO OR HFOS)

2860 1234

L3 0 HFO-1234

(HFO(W) 1234)

=> s pentafluoropropene

L4 28 PENTAFLUOROPROPENE

=> d 14 1

L4 ANSWER 1 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 308066-54-8 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may

result in incomplete search results. For additional information, enter HELP
RN* at an online arrow prompt (=>).

ED Entered STN: 12 Dec 2000
CN Rubber, synthetic, pentafluoropropene-vinylidene fluoride (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN Fluoro rubber, pentafluoropropene-vinylidene fluoride
OTHER NAMES:
CN Pentafluoropropene-vinylidene fluoride synthetic rubber
CN Pentafluoropropylene-vinylidene fluoride rubber
CN Tecnoflon 3A
CN Tecnoflon SH
CN Tecnoflon SL
MF Unspecified
CI MAN, CTS
SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> s 14 2
MISSING OPERATOR

=> d 14 2

L4 ANSWER 2 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 308066-53-7 REGISTRY *
* Use of this CAS Registry Number alone as a search term in other STN files may
result in incomplete search results. For additional information, enter HELP
RN* at an online arrow prompt (=>).
ED Entered STN: 12 Dec 2000
CN Rubber, synthetic, pentafluoropropene-tetrafluoroethylene-vinylidene
fluoride (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Fluoro rubber, pentafluoropropene-tetrafluoroethylene-vinylidene
fluoride
OTHER NAMES:
CN Pentafluoropropene-tetrafluoroethylene-vinylidene fluoride synthetic
rubber
CN Pentafluoropropylene-tetrafluoroethylene-vinylidene fluoride rubber
CN Tecnoflon T
CN Tecnoflon TN 80
MF Unspecified
CI MAN, CTS
SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> d 14 3

L4 ANSWER 3 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 259152-52-8 REGISTRY
ED Entered STN: 14 Mar 2000
CN 1-Propene, 1,1,3,3,3-pentafluoro-, polymer with 1,1-difluoroethene,
tetrafluoroethene and trifluoro(trifluoromethoxy)ethene (9CI) (CA INDEX
NAME)
OTHER CA INDEX NAMES:
CN Ethene, 1,1-difluoro-, polymer with 1,1,3,3,3-pentafluoro-1-propene,
tetrafluoroethene and trifluoro(trifluoromethoxy)ethene (9CI)
CN Ethene, tetrafluoro-, polymer with 1,1-difluoroethene,
1,1,3,3,3-pentafluoro-1-propene and trifluoro(trifluoromethoxy)ethene
(9CI)
CN Ethene, trifluoro(trifluoromethoxy)-, polymer with 1,1-difluoroethene,

1,1,3,3,3-pentafluoro-1-propene and tetrafluoroethene (9CI)

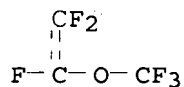
OTHER NAMES:

CN 1,1,3,3,3-Pentafluoropropene-perfluoro(methyl vinyl
ether)-tetrafluoroethylene-vinylidene fluoride copolymer
CN 2-Hydropentafluoropropylene-perfluoro(methyl vinyl) ether-
tetrafluoroethylene-vinylidene fluoride copolymer
CN 2H-Pentafluoropropene-perfluoro(methyl vinyl ether)-
tetrafluoroethylene-vinylidene fluoride copolymer
MF (C3 H F5 . C3 F6 O . C2 H2 F2 . C2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

CM 1

CRN 1187-93-5

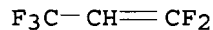
CMF C3 F6 O



CM 2

CRN 690-27-7

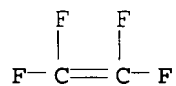
CMF C3 H F5



CM 3

CRN 116-14-3

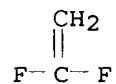
CMF C2 F4



CM 4

CRN 75-38-7

CMF C2 H2 F2



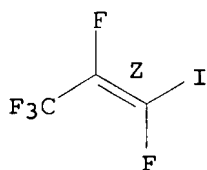
6 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 14 4-28

L4 ANSWER 4 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 102682-81-5 REGISTRY
 ED Entered STN: 14 Jun 1986
 CN 1-Propene, 1,2,3,3,3-pentafluoro-1-iodo-, (1Z)- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Propene, 1,2,3,3,3-pentafluoro-1-iodo-, (Z)-
 OTHER NAMES:
 CN (Z)-1,2,3,3,3-Pentafluoro-1-iodo-1-propene
 CN (Z)-1-Iodopentafluoropropene
 FS STEREOSEARCH
 MF C3 F5 I
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX
 (*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

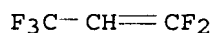
22 REFERENCES IN FILE CA (1907 TO DATE)
 22 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 76341-25-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluoroethene and 1,1,3,3,3-pentafluoro-1-propene (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Propene, 1,1,3,3,3-pentafluoro-, polymer with 1,1-difluoroethene and 1,1,2,3,3,3-hexafluoro-1-propene (9CI)
 CN Ethene, 1,1-difluoro-, polymer with 1,1,2,3,3,3-hexafluoro-1-propene and 1,1,3,3,3-pentafluoro-1-propene (9CI)
 OTHER NAMES:
 CN Hexafluoropropene-1,1,3,3,3-pentafluoropropene-vinylidene fluoride copolymer
 MF (C3 H F5 . C3 F6 . C2 H2 F2)x
 CI PMS
 PCT Fluoropolymer, Polyvinyl
 LC STN Files: CA, CAPLUS

CM 1

CRN 690-27-7

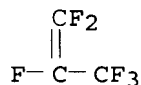
CMF C3 H F5



CM 2

CRN 116-15-4

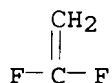
CMF C3 F6



CM 3

CRN 75-38-7

CMF C2 H2 F2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 67899-41-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzene, pentafluoro(1,1,2,3,3-pentafluoro-2-propenyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3-(Perfluorophenyl)pentafluoropropene

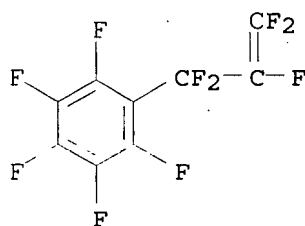
CN Perfluoroallylbenzene

MF C9 F10

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CSChem, Gmelin*

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

19 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 53841-60-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propen-2-ol, 1,1,3,3,3-pentafluoro-, 2-benzoate (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propen-2-ol, 1,1,3,3,3-pentafluoro-, benzoate (9CI)

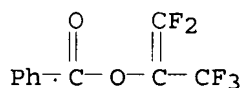
OTHER NAMES:

CN 1,1,3,3,3-Pentafluoro-2-propenyl benzoate

CN 2-(Benzoyloxy)pentafluoropropene

CN 2-(Benzoyloxy)perfluoropropene

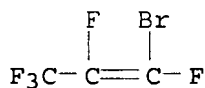
DR 116019-91-1
 MF C10 H5 F5 O2
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

28 REFERENCES IN FILE CA (1907 TO DATE)
 28 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 53692-47-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1-bromo-1,2,3,3,3-pentafluoro- (CA INDEX NAME)
 OTHER NAMES:
 CN 1-Bromo-1,2,3,3,3-pentafluoropropene
 MF C3 Br F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, USPATFULL
 (*File contains numerically searchable property data)

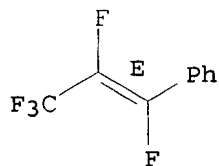


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

8 REFERENCES IN FILE CA (1907 TO DATE)
 8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 41500-48-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Benzene, [(1E)-1,2,3,3,3-pentafluoro-1-propen-1-yl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzene, (1,2,3,3,3-pentafluoro-1-propenyl)-, (E)-
 CN Benzene, [(1E)-1,2,3,3,3-pentafluoro-1-propenyl]- (9CI)
 OTHER NAMES:
 CN (E)-1-Phenylperfluoroprop-1-ene
 CN trans-1-Phenylpentafluoropropene
 FS STEREOSEARCH
 MF C9 H5 F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, IFICDB, IFIPAT, IFIUDB, USPATOLD
 (*File contains numerically searchable property data)

Double bond geometry as shown.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

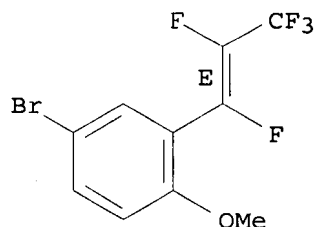
17 REFERENCES IN FILE CA (1907 TO DATE)
17 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 41424-74-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 4-bromo-1-methoxy-2-(1,2,3,3,3-pentafluoro-1-propenyl)-, (E)-
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN trans-1-(5-Bromo-2-methoxyphenyl)pentafluoropropene
FS STEREOSEARCH
MF C10 H6 Br F5 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

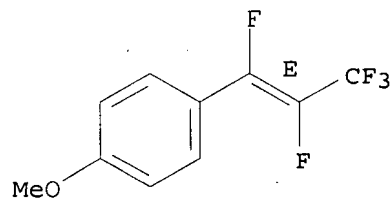
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 11 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 41424-73-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 1-methoxy-4-(1,2,3,3,3-pentafluoro-1-propenyl)-, (E)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN trans-1-(p-Methoxyphenyl)pentafluoropropene
FS STEREOSEARCH
MF C10 H7 F5 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



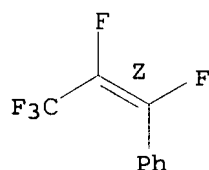
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

8 REFERENCES IN FILE CA (1907 TO DATE)

8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 12 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 41424-70-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Benzene, [(1Z)-1,2,3,3,3-pentafluoro-1-propen-1-yl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzene, (1,2,3,3,3-pentafluoro-1-propenyl)-, (Z)- (9CI)
 OTHER NAMES:
 CN (Z)-1-Phenylperfluoroprop-1-ene
 CN cis-1-Phenylpentafluoropropene
 FS STEREOSEARCH
 MF C9 H5 F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, IFICDB, IFIPAT, IFIUDB, USPATOLD
 (*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1907 TO DATE)
 15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 13 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 37145-46-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, pentafluoro- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, pentafluoro- (6CI)
 OTHER NAMES:
 CN Pentafluoropropene
 MF C3 H F5
 CI IDS, COM
 LC STN Files: CA, CAOLD, CAPLUS, CSNB, TOXCENTER, USPAT2, USPATFULL, USPATOLD



5 (D1-F)

32 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 32 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 14 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 32552-63-9 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1,2,3,3,3-pentafluoro-, polymer with 1,1-difluoroethene (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethene, 1,1-difluoro-, polymer with 1,2,3,3,3-pentafluoro-1-propene (9CI)

CN Propene, 1,2,3,3,3-pentafluoro-, polymer with 1,1-difluoroethylene (8CI)

OTHER NAMES:

CN 1,2,3,3,3-Pentafluoropropene-vinylidene fluoride polymer

CN 1,2,3,3,3-Pentafluoropropylene-vinylidene fluoride copolymer

CN 1,2,3,3,3-Pentafluoropropylene-vinylidene fluoride polymer

CN 1-Hydropentafluoropropene-vinylidene fluoride copolymer

CN 1-Hydropentafluoropropene-vinylidene fluoride polymer

CN 1-Hydropentafluoropropylene-vinylidene fluoride copolymer

DR 52235-91-3

MF (C3 H F5 . C2 H2 F2)x

CI PMS

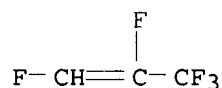
PCT Fluoropolymer, Polyvinyl

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL, USPATOLD

CM 1

CRN 2252-83-7

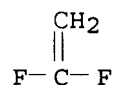
CMF C3 H F5



CM 2

CRN 75-38-7

CMF C2 H2 F2



20 REFERENCES IN FILE CA (1907 TO DATE)

20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 15 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN

RN 29830-35-1 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propene, 1,2,3,3,3-pentafluoro-, polymer with 1,1-difluoroethene and tetrafluoroethene (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethene, 1,1-difluoro-, polymer with 1,2,3,3,3-pentafluoro-1-propene and tetrafluoroethene (9CI)

CN Ethene, tetrafluoro-, polymer with 1,1-difluoroethene and 1,2,3,3,3-pentafluoro-1-propene (9CI)

CN Ethylene, 1,1-difluoro-, polymer with 1,2,3,3,3-pentafluoropropene and tetrafluoroethylene

CN Ethylene, tetrafluoro-, polymer with 1,1-difluoroethylene and 1,2,3,3,3-pentafluoropropene

CN Propene, 1,2,3,3,3-pentafluoro-, polymer with 1,1-difluoroethylene and tetrafluoroethylene (8CI)

OTHER NAMES:

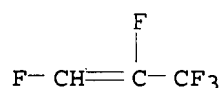
CN 1,2,3,3,3-Pentafluoropropene-tetrafluoroethylene-vinylidene fluoride polymer

CN 1-Hydropentafluoropropene-tetrafluoroethylene-vinylidene fluoride polymer

CN Pentafluoropropene-tetrafluoroethylene-vinylidene fluoride polymer
 MF (C3 H F5 . C2 H2 F2 . C2 F4)x
 CI PMS
 PCT Fluoropolymer, Polyvinyl
 LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATFULL, USPATOLD

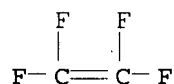
 CM 1

 CRN 2252-83-7
 CMF C3 H F5



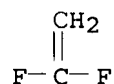
CM 2

 CRN 116-14-3
 CMF C2 F4



CM 3

 CRN 75-38-7
 CMF C2 H2 F2



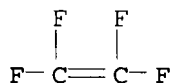
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14 REFERENCES IN FILE CA (1907 TO DATE)
 14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 16 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 29695-78-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Propene, 3-chloropentafluoro-, polymer with tetrafluoroethylene (8CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ethylene, tetrafluoro-, polymer with 3-chloropentafluoropropene (8CI)
 MF (C3 Cl F5 . C2 F4)x
 CI PMS
 PCT Fluoropolymer, Polyvinyl
 LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD

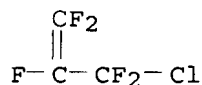
 CM 1

 CRN 116-14-3
 CMF C2 F4



CM 2

CRN 79-47-0
CMF C3 Cl F5



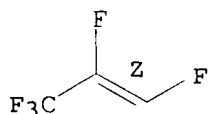
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 17 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 26006-55-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Propene, 1,2,3,3,3-pentafluoro-, (Z)-, polymer with fluoroethylene (8CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethylene, fluoro-, polymer with (Z)-1,2,3,3,3-pentafluoropropene
(8CI)
FS STEREOSEARCH
MF (C3 H F5 . C2 H3 F)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

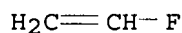
CRN 5528-43-8
CMF C3 H F5

Double bond geometry as shown.



CM 2

CRN 75-02-5
CMF C2 H3 F

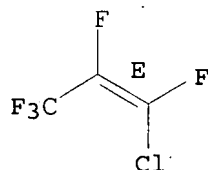


2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 18 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 14003-62-4 REGISTRY

ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1-chloro-1,2,3,3,3-pentafluoro-, (E)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 1-chloropentafluoro-, (E)- (8CI)
 OTHER NAMES:
 CN trans-1-Chloropentafluoropropene
 FS STEREOSEARCH
 MF C3 Cl F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS
 (*File contains numerically searchable property data)

Double bond geometry as shown.

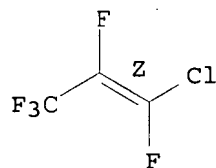


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 19 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 14003-57-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1-chloro-1,2,3,3,3-pentafluoro-, (Z)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 1-chloropentafluoro-, (Z)- (8CI)
 OTHER NAMES:
 CN cis-1-Chloropentafluoropropene
 FS STEREOSEARCH
 MF C3 Cl F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
 (*File contains numerically searchable property data)

Double bond geometry as shown.



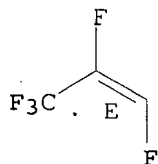
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 20 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 5595-10-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1,2,3,3,3-pentafluoro-, (1E)- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Propene, 1,2,3,3,3-pentafluoro-, (E)-
 CN Propene, 1,2,3,3,3-pentafluoro-, (E)- (8CI)
 OTHER NAMES:

CN (E)-1,2,3,3,3-Pentafluoropropene
CN HFC 1225yeE
CN R 1225YeE
FS STEREOSEARCH
MF C3 H F5
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, USPATFULL
(*File contains numerically searchable property data)

Double bond geometry as shown.

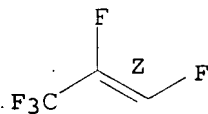


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

23 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
24 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 21 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 5528-43-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,2,3,3,3-pentafluoro-, (1Z)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propene, 1,2,3,3,3-pentafluoro-, (Z)-
CN Propene, 1,2,3,3,3-pentafluoro-, (Z)- (8CI)
OTHER NAMES:
CN (Z)-1,2,3,3,3-Pentafluoropropene
CN cis-1,2,3,3,3-Pentafluoro-1-propene
CN HFO 1225yez
FS STEREOSEARCH
MF C3 H F5
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(*Enter CHEMLIST File for up-to-date regulatory information)

Double bond geometry as shown.

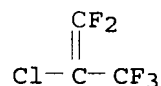


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

19 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 22 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
RN 2804-50-4 REGISTRY

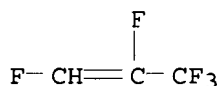
ED Entered STN: 16 Nov 1984
 CN 1-Propene, 2-chloro-1,1,3,3,3-pentafluoro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 2-chloro-1,1,3,3,3-pentafluoro- (4CI)
 CN Propene, 2-chloropentafluoro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 2-Chloro-1,1,3,3,3-pentafluoropropene
 CN 2-Chloropentafluoro-1-propene
 CN 2-Chloropentafluoropropene
 CN 2-Chloroperfluoropropene
 CN CFC 1215xc
 MF C3 Cl F5
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,
 GMELIN*, IFICDB, IFIUDB, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL,
 USPATOLD
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

62 REFERENCES IN FILE CA (1907 TO DATE)
 62 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 23 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 2252-83-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1,2,3,3,3-pentafluoro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 1,2,3,3,3-pentafluoro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 1,1,1,2,3-Pentafluoropropene
 CN 1,2,3,3,3-Pentafluoropropene
 CN 1H-Pentafluoropropene
 CN HFC 1225ye
 CN R.1225Ye
 MF C3 H F5
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,
 IFICDB, IFIUDB, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

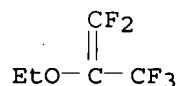


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

47 REFERENCES IN FILE CA (1907 TO DATE)
 47 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 24 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 2247-94-1 REGISTRY
 ED Entered STN: 16 Nov 1984

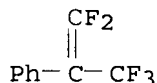
CN 1-Propene, 2-ethoxy-1,1,3,3,3-pentafluoro- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ether, 2,2-difluoro-1-(trifluoromethyl)vinyl ethyl (7CI, 8CI)
 OTHER NAMES:
 CN 2-Ethoxy-1,1,3,3,3-pentafluoropropene
 CN Ethyl pentafluoroisopropenyl ether
 MF C5 H5 F5 O
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, IFICDB, IFIPAT, IFIUDB,
 USPATFULL, USPATOLD
 (*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

17 REFERENCES IN FILE CA (1907 TO DATE)
 17 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 25 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 1979-51-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Benzene, [2,2-difluoro-1-(trifluoromethyl)ethenyl]- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Styrene, β,β -difluoro- α -(trifluoromethyl)- (7CI, 8CI)
 OTHER NAMES:
 CN 2-Phenylpentafluoropropene
 MF C9 H5 F5
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,
 IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL, USPATOLD
 (*File contains numerically searchable property data)

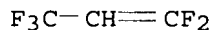


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

35 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 35 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 26 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 690-27-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 1,1,3,3,3-pentafluoro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 1,1,3,3,3-pentafluoro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 1,1,1,3,3-Pentafluoropropene
 CN 1,1,3,3,3-Pentafluoro-1-propene
 CN 1,1,3,3,3-Pentafluoropropene
 CN 1,1,3,3,3-Pentafluoropropylene
 CN 2-Hydropentafluoropropylene

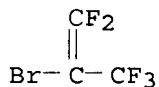
CN 2H-Pentafluoropropene
 CN HFC 1225zc
 MF C3 H F5
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CSChem, GMELIN*, IFICDB, IFIUDB, MSDS-OHS,
 SPECINFO, TOXCENTER, USPAT2, USPATFULL, USPATOLD
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

155 REFERENCES IN FILE CA (1907 TO DATE)
 155 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

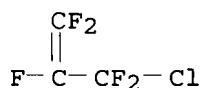
L4 ANSWER 27 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 431-49-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 2-bromo-1,1,3,3,3-pentafluoro- (CA INDEX NAME)
 OTHER NAMES:
 CN 2-Bromopentafluoropropene
 CN 2-Bromoperfluoropropene
 MF C3 Br F5
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX,
 GMELIN*, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1907 TO DATE)
 15 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 28 OF 28 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 79-47-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 3-chloro-1,1,2,3,3-pentafluoro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 3-chloropentafluoro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 3-Chloro-1,1,2,3,3-pentafluoro-1-propene
 CN 3-Chloro-1,1,2,3,3-pentafluoropropene
 CN 3-Chloropentafluoropropene
 CN Perfluoroallyl chloride
 MF C3 Cl F5
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
 CHEMINFORMRX, CSChem, GMELIN*, MEDLINE, RTECS*, SPECINFO, TOXCENTER,
 USPATFULL, USPATOLD
 (*File contains numerically searchable property data)



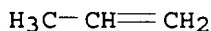
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

45 REFERENCES IN FILE CA (1907 TO DATE)
45 REFERENCES IN FILE CAPLUS (1907 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s tetrafluoropropene
L5 33 TETRAFLUOROPROPENE

=> d 15 1-33

L5 ANSWER 1 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 873958-04-4 REGISTRY
ED Entered STN: 10 Feb 2006
CN 1-Propene, chlorotetrafluoro- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Chlorotetrafluoropropene
MF C3 H Cl F4
CI IDS
SR CA
LC STN Files: CA, CAPLUS



D1- Cl

4 (D1- F)

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

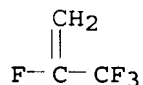
L5 ANSWER 2 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 181772-95-2 REGISTRY
ED Entered STN: 10 Oct 1996
CN 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoroethene and 2,3,3,3-tetrafluoro-1-propene (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propene, 2,3,3,3-tetrafluoro-, polymer with 1,1,2,3,3,3-hexafluoro-1-propene and tetrafluoroethene (9CI)
CN Ethene, tetrafluoro-, polymer with 1,1,2,3,3,3-hexafluoro-1-propene and 2,3,3,3-tetrafluoro-1-propene (9CI)
OTHER NAMES:
CN Hexafluoropropene-tetrafluoroethylene-2,3,3,3-tetrafluoropropene copolymer
CN Hexafluoropropylene-tetrafluoroethylene-2,3,3,3-tetrafluoropropene copolymer
MF (C3 H2 F4 . C3 F6 . C2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 754-12-1

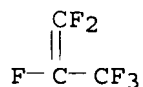
CMF C3 H2 F4



CM 2

CRN 116-15-4

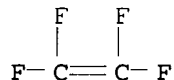
CMF C3 F6



CM 3

CRN 116-14-3

CMF C2 F4



4 REFERENCES IN FILE CA (1907 TO DATE)

4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN

RN 137231-72-2 REGISTRY

ED Entered STN: 08 Nov 1991

CN 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propenyl-, polymer with ethene, 1-propene, tetrafluoroethene and 2,3,3,3-tetrafluoro-1-propene (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propene, 2,3,3,3-tetrafluoro-, polymer with ethene, 1-propene, tetrafluoroethene and 1,3,5-tri-2-propenyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (9CI)

CN 1-Propene, polymer with ethene, tetrafluoroethene, 2,3,3,3-tetrafluoro-1-propene and 1,3,5-tri-2-propenyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (9CI)

CN Ethene, polymer with 1-propene, tetrafluoroethene, 2,3,3,3-tetrafluoro-1-propene and 1,3,5-tri-2-propenyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (9CI)

CN Ethene, tetrafluoro-, polymer with ethene, 1-propene, 2,3,3,3-tetrafluoro-1-propene and 1,3,5-tri-2-propenyl-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (9CI)

OTHER NAMES:

CN Ethylene-propylene-tetrafluoroethylene-2,3,3,3-tetrafluoropropene-triallyl isocyanurate copolymer

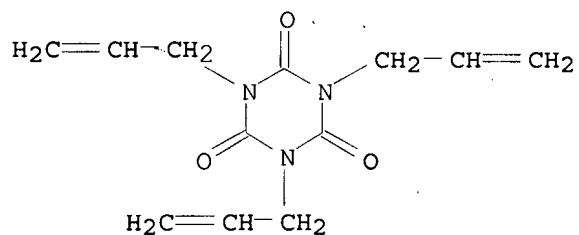
MF (C12 H15 N3 O3 . C3 H6 . C3 H2 F4 . C2 H4 . C2 F4)x

CI PMS

PCT Fluoropolymer, Polyolefin, Polyvinyl
SR CA
LC STN Files: CA, CAPLUS

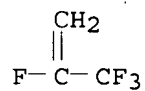
CM 1

CRN 1025-15-6
CMF C12 H15 N3 O3



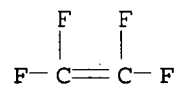
CM 2

CRN 754-12-1
CMF C3 H2 F4



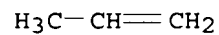
CM 3

CRN 116-14-3
CMF C2 F4



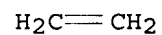
CM 4

CRN 115-07-1
CMF C3 H6



CM 5

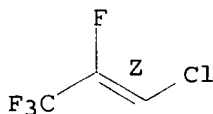
CRN 74-85-1
CMF C2 H4



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 111512-60-8 REGISTRY
ED Entered STN: 21 Nov 1987
CN 1-Propene, 1-chloro-2,3,3,3-tetrafluoro-, (Z)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (Z)-1-Chloro-2,3,3,3-tetrafluoropropene
FS STEREOSEARCH
MF C3 H Cl F4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Double bond geometry as shown.

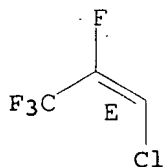


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 5 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 111512-52-8 REGISTRY
ED Entered STN: 21 Nov 1987
CN 1-Propene, 1-chloro-2,3,3,3-tetrafluoro-, (E)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (E)-1-Chloro-2,3,3,3-tetrafluoropropene
FS STEREOSEARCH
MF C3 H Cl F4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Double bond geometry as shown.



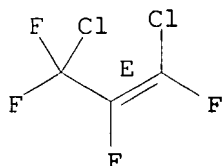
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 6 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 111512-50-6 REGISTRY
ED Entered STN: 21 Nov 1987
CN 1-Propene, 1,3-dichloro-1,2,3,3-tetrafluoro-, (E)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN trans-1,3-Dichloro-1,2,3,3-tetrafluoropropene
FS STEREOSEARCH

MF C3 Cl2 F4
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Double bond geometry as shown.

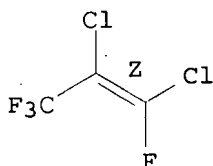


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 7 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 73562-83-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,2-dichloro-1,3,3,3-tetrafluoro-, (Z)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN cis-1,2-Dichloro-1,3,3,3-tetrafluoropropene
FS STEREOSEARCH
MF C3 Cl2 F4
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

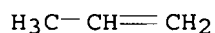
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 8 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 56188-91-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, dibromotetrafluoro- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Dibromotetrafluoropropene
MF C3 Br2 F4
CI IDS
LC STN Files: CA, CAPLUS



2 (D1- Br)

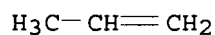
4 (D1- F)

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 9 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 51053-30-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with tetrafluoro-1-propene
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propene, tetrafluoro-, polymer with 1,1,2,3,3,3-hexafluoro-1-propene
(9CI)
OTHER NAMES:
CN Hexafluoropropene-tetrafluoropropene copolymer
MF (C3 H2 F4 . C3 F6)x
CI PMS
PCT. Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

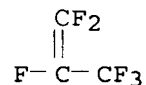
CRN 51053-29-3
CMF C3 H2 F4
CCI IDS



4 (D1- F)

CM 2

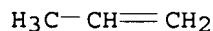
CRN 116-15-4
CMF C3 F6



3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 10 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 51053-29-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, tetrafluoro- (9CI) (CA INDEX NAME)
OTHER NAMES:

CN HFC 1234
CN Tetrafluoropropene
MF C3 H2 F4
CI IDS, COM
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



4 (D1- F)

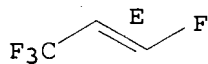
12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 11 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 43050-88-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (E)-, polymer with tetrafluoroethene
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethene, tetrafluoro-, polymer with (E)-1,3,3,3-tetrafluoro-1-propene (9CI)
OTHER NAMES:
CN Tetrafluoroethylene-trans-1,3,3,3-tetrafluoropropene polymer
FS STEREOSEARCH
MF (C3 H2 F4 . C2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

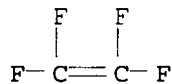
CRN 29118-24-9
CMF C3 H2 F4

Double bond geometry as shown.



CM 2

CRN 116-14-3
CMF C2 F4



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

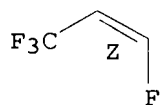
L5 ANSWER 12 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 43050-87-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (Z)-, polymer with tetrafluoroethene
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN Ethene, tetrafluoro-, polymer with (Z)-1,3,3,3-tetrafluoro-1-propene (9CI)
OTHER NAMES:
CN Tetrafluoroethylene-cis-1,3,3,3-tetrafluoropropene polymer
FS STEREOSEARCH
MF (C3 H2 F4 . C2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

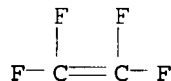
CRN 29118-25-0
CMF C3 H2 F4

Double bond geometry as shown.



CM 2

CRN 116-14-3
CMF C2 F4



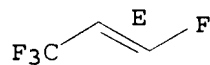
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 13 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 43050-86-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (E)-, homopolymer (9CI) (CA INDEX NAME)
OTHER NAMES:
CN trans-1,3,3,3-Tetrafluoropropene polymer
FS STEREOSEARCH
MF (C3 H2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

CRN 29118-24-9
CMF C3 H2 F4

Double bond geometry as shown.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 14 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN

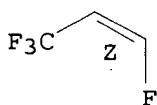
RN 43050-85-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (Z)-, homopolymer (9CI) (CA INDEX NAME)
OTHER NAMES:

CN cis-1,3,3,3-Tetrafluoropropene polymer
FS STEREOSEARCH
MF (C3 H2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

CRN 29118-25-0
CMF C3 H2 F4

Double bond geometry as shown.



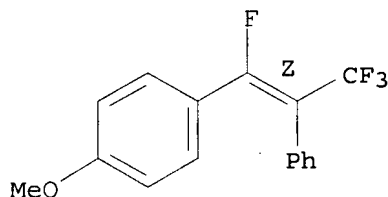
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 15 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 41424-78-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 1-methoxy-4-(1,3,3,3-tetrafluoro-2-phenyl-1-propenyl)-, (Z)-
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN cis-1-(p-Methoxyphenyl)-2-phenyltetrafluoropropene
FS STEREOSEARCH
MF C16 H12 F4 O
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 16 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 41424-77-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 1-methoxy-4-(1,3,3,3-tetrafluoro-2-phenyl-1-propenyl)-, (E)-
(9CI) (CA INDEX NAME)

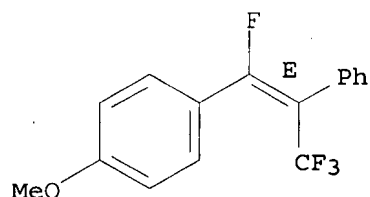
OTHER NAMES:

CN trans-1-(p-Methoxyphenyl)-2-phenyltetrafluoropropene
FS STEREOSEARCH

MF C16 H12 F4 O

LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIADB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 17 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN

RN 41424-71-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzene, 1,1'-[1-fluoro-2-(trifluoromethyl)-1,2-ethenediyl]bis-, (Z)-
(9CI) (CA INDEX NAME)

OTHER NAMES:

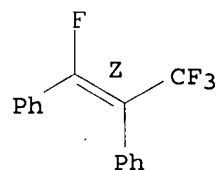
CN cis-1,2-Diphenyltetrafluoropropene

FS STEREOSEARCH

MF C15 H10 F4

LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIADB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 18 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN

RN 32646-94-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1-Propene, 2,3,3,3-tetrafluoro-, polymer with tetrafluoroethene (9CI) (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethene, tetrafluoro-, polymer with 2,3,3,3-tetrafluoro-1-propene (9CI)

CN Ethylene, tetrafluoro-, polymer with 2,3,3,3-tetrafluoropropene

CN Propene, 2,3,3,3-tetrafluoro-, polymer with tetrafluoroethylene (8CI)

OTHER NAMES:

CN 2,3,3,3-Tetrafluoropropene-tetrafluoroethylene copolymer

CN Tetrafluoroethylene-2,3,3,3-tetrafluoropropene copolymer

CN Tetrafluoroethylene-2,3,3,3-tetrafluoropropene polymer

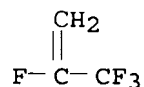
CN Tetrafluoroethylene-2,3,3,3-tetrafluoropropylene polymer

MF (C3 H2 F4 . C2 F4)x

CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

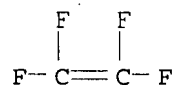
CM 1

CRN 754-12-1
CMF C3 H2 F4



CM 2

CRN 116-14-3
CMF C2 F4

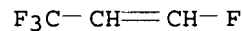


4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 19 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 31905-11-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 1,3,3,3-tetrafluoro-, polymers (8CI)
OTHER NAMES:
CN 1,3,3,3-Tetrafluoro-1-propene polymer
CN 1,3,3,3-Tetrafluoropropene polymer
CN Poly[1-(trifluoromethyl)-2-fluoroethylene]
MF (C3 H2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS

CM 1

CRN 1645-83-6
CMF C3 H2 F4



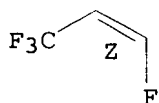
6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 20 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 29118-25-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (1Z)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propene, 1,3,3,3-tetrafluoro-, (Z)-
CN Propene, 1,3,3,3-tetrafluoro-, (Z)- (8CI)

OTHER NAMES:

CN cis-1,1,1,3-Tetrafluoro-2-propene
CN cis-1,3,3,3-Tetrafluoropropene
CN cis-HFO 1234ze
FS STEREOSEARCH
MF C3 H2 F4
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2,
USPATFULL
(*File contains numerically searchable property data)

Double bond geometry as shown.

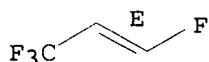


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

17 REFERENCES IN FILE CA (1907 TO DATE)
17 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 21 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 29118-24-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro-, (1E)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propene, 1,3,3,3-tetrafluoro-, (E)-
CN Propene, 1,3,3,3-tetrafluoro-, (E)- (8CI)
OTHER NAMES:
CN trans-1,1,1,3-Tetrafluoro-2-propene
CN trans-1,3,3,3-Tetrafluoro-1-propene
CN trans-1,3,3,3-Tetrafluoropropene
CN trans-HFO 1234ze
FS STEREOSEARCH
MF C3 H2 F4
CI COM
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,
USPAT2, USPATFULL
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

31 REFERENCES IN FILE CA (1907 TO DATE)
31 REFERENCES IN FILE CAPLUS (1907 TO DATE)

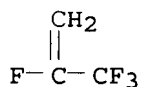
L5 ANSWER 22 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 26838-52-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 2,3,3,3-tetrafluoro-, homopolymer (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 2,3,3,3-tetrafluoro-, polymers (8CI)
OTHER NAMES:
CN 2,3,3,3-Tetrafluoro-1-propene polymer

CN 2,3,3,3-Tetrafluoropropene polymer
CN Poly(2,3,3,3-tetrafluoropropene)
CN Poly(2,3,3,3-tetrafluoropropylene)
CN Poly[1-(trifluoromethyl)-fluoroethylene]
MF (C3 H2 F4)x
CI PMS
PCT Fluoropolymer, Polyvinyl
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 754-12-1

CMF C3 H2 F4



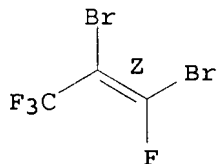
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14 REFERENCES IN FILE CA (1907 TO DATE)

14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 23 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 20377-91-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,2-dibromo-1,3,3,3-tetrafluoro-, (Z)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 1,2-dibromotetrafluoro-, (Z)- (8CI)
OTHER NAMES:
CN cis-1,2-Dibromo-1,3,3,3-tetrafluoropropene
FS STEREOSEARCH
MF C3 Br2 F4
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

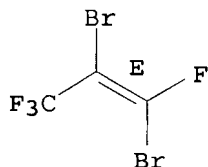
5 REFERENCES IN FILE CA (1907 TO DATE)

5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 24 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 20377-90-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,2-dibromo-1,3,3,3-tetrafluoro-, (E)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 1,2-dibromotetrafluoro-, (E)- (8CI)
OTHER NAMES:
CN trans-1,2-Dibromo-1,3,3,3-tetrafluoropropene
FS STEREOSEARCH

MF C3 Br2 F4
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, USPATOLD
(*File contains numerically searchable property data)

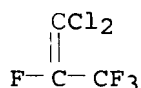
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 25 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 2804-55-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,1-dichloro-2,3,3,3-tetrafluoro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 1,1-dichlorotetrafluoro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,1,1,2-Tetrafluoro-3,3-dichloropropene
CN 1,1-Dichloroperfluoro-1-propene
CN 1,1-Dichlorotetrafluoropropene
CN R 1214ya
MF C3 Cl2 F4
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,
USPATFULL, USPATOLD
(*File contains numerically searchable property data)

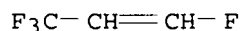


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

27 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
27 REFERENCES IN FILE CAPLUS (1907 TO DATE)
10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 26 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 1645-83-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 1,3,3,3-tetrafluoro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 1,3,3,3-tetrafluoro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,1,1,3-Tetrafluoro-2-propene
CN 1,3,3,3-Tetrafluoro-1-propene
CN 1,3,3,3-Tetrafluoropropene
CN 1,3,3,3-Tetrafluoropropylene
CN HFC 1234ze
CN HFO 1234ze
MF C3 H2 F4

CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

77 REFERENCES IN FILE CA (1907 TO DATE)
78 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

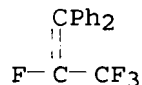
L5 ANSWER 27 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 1493-86-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzene, 1,1'-(2,3,3,3-tetrafluoro-1-propenylidene)bis- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Propene, 2,3,3,3-tetrafluoro-1,1-diphenyl- (6CI, 8CI)

OTHER NAMES:

CN 1,1-Diphenyl-2,3,3,3-tetrafluoropropene
CN 1-Fluoro-1-(trifluoromethyl)-2,2-diphenylethylene
MF C15 H10 F4
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, IFICDB, IFIPAT,
IFIUDB, SPECINFO, USPATOLD
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

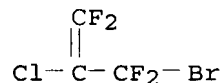
L5 ANSWER 28 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 815-13-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 3-bromo-2-chloro-1,1,3,3-tetrafluoro- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Propene, 3-bromo-2-chlorotetrafluoro- (6CI, 7CI, 8CI)

OTHER NAMES:

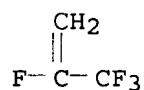
CN 3-Bromo-2-chlorotetrafluoropropene
MF C3 Br Cl F4
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

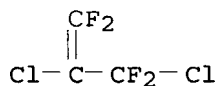
L5 ANSWER 29 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 754-12-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 2,3,3,3-tetrafluoro- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 2,3,3,3-tetrafluoro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 1,1,1,2-Tetrafluoro-2-propene
CN 2,3,3,3-Tetrafluoro-1-propene
CN 2,3,3,3-Tetrafluoropropene
CN HFC 1234yf
CN HFO 1234yf
MF C3 H2 F4
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CSCHEM, IFICDB, IFIUIDB, TOXCENTER, ULIDAT, USPAT2,
USPATFULL, USPATOLD
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

78 REFERENCES IN FILE CA (1907 TO DATE)
78 REFERENCES IN FILE CAPLUS (1907 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 30 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
RN 684-04-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1-Propene, 2,3-dichloro-1,1,3,3-tetrafluoro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Propene, 2,3-dichlorotetrafluoro- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 2,3-Dichloro-1,1,3,3-tetrafluoropropene
CN 2,3-Dichlorotetrafluoropropene
CN Propene, 2,3-dichloro-1,1,3,3-tetrafluoro-
MF C3 Cl2 F4
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, IFICDB, IFIPAT,
IFIUIDB, TOXCENTER, USPATFULL, USPATOLD
(*File contains numerically searchable property data)

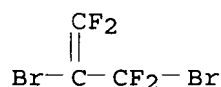


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

33 REFERENCES IN FILE CA (1907 TO DATE)
33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

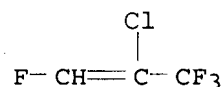
L5 ANSWER 31 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 666-40-0 REGISTRY
 ED Entered STN: 16 Nov 1984
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 OTHER CA INDEX NAMES:
 CN Propene, 2,3-dibromotetrafluoro- (6CI, 8CI)
 OTHER NAMES:
 CN 2,3-Dibromo-1,1,3,3-tetrafluoropropene
 MF C3 Br2 F4
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, CSCHEM, IFICDB,
 IFIPAT, IFIUDB, USPATOLD
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 32 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 666-30-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 2-chloro-1,3,3,3-tetrafluoro- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 2-chloro-1,3,3,3-tetrafluoro- (7CI, 8CI)
 OTHER NAMES:
 CN 2-Chloro-1,3,3,3-tetrafluoropropene
 MF C3 H Cl F4
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 33 OF 33 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 460-61-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Propene, 3-bromo-1,1,3,3-tetrafluoro- (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Propene, 3-bromo-1,1,3,3-tetrafluoro- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 1,1,3,3-Tetrafluoroallyl bromide
 CN 3-Bromo-1,1,3,3-tetrafluoro-1-propene
 CN 3-Bromo-1,1,3,3-tetrafluoropropene
 MF C3 H Br F4

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, IFICDB,
IFIPAT, IFIUDB, USPATFULL, USPATOLD
(*File contains numerically searchable property data)

F2C=CH-CF2-Br

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1907 TO DATE)
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file ca plus

'PLUS' IS NOT A VALID FILE NAME

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

ENTER A FILE NAME OR (IGNORE):n

'N' IS AN AMBIGUOUS FILE OR CLUSTER NAME

| | |
|-----------|--|
| NUMERIC | - All numeric files for STNINDEX searching |
| NAPRALERT | - Natural Products Alert Database |
| NLDB | - Newsletter Database from 1988 - present |
| NTIS | - U.S. Government Reports Announcements 1964-present |
| NUTRACEUT | - Nutraceuticals International 1996 to the present |

ENTER FILE OR CLUSTER NAME (IGNORE):ignore

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 164.85 | 165.06 |

FILE 'CA' ENTERED AT 11:31:42 ON 30 OCT 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 25 Oct 2007 VOL 147 ISS 19

FILE LAST UPDATED: 25 Oct 2007 (20071025/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> file caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.45 | 165.51 |

FILE 'CAPLUS' ENTERED AT 11:31:47 ON 30 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 30 Oct 2007 VOL 147 ISS 19
FILE LAST UPDATED: 29 Oct 2007 (20071029/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 754-12-1/rn
78 754-12-1
0 754-12-1D
L6 78 754-12-1/RN
(754-12-1 (NOTL) 754-12-1D)

=> s 754-12-1/rn full
78 754-12-1
0 754-12-1D
L7 78 754-12-1/RN
(754-12-1 (NOTL) 754-12-1D)

=> d 17 1-78

L7 ANSWER 1 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:1060597 CAPLUS
DN 147:367593
TI Composition for refrigerating machine
IN Fukuda, Hiroki; Uemori, Shigeki
PA Asahi Glass Company, Limited, Japan
SO PCT Int. Appl., 18pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2007105718 | A1 | 20070920 | WO 2007-JP54929 | 20070313 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |

PRAI JP 2006-68144 A 20060313
JP 2007-27256 A 20070206
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:1018633 CAPLUS
DN 147:346107
TI Method for generating pollution credits
IN Luly, Matthew H.; Singh, Ryjiv R.
PA Honeywell International, Inc., USA
SO Eur. Pat. Appl., 5pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | EP 1832639 | A2 | 20070912 | EP 2007-4921 | 20070309 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU | | | | |
| | US 2007210275 | A1 | 20070913 | US 2006-372800 | 20060310 |
| | IN 2007DE00517 | A | 20070921 | IN 2007-DE517 | 20070309 |
| | CN 101054337 | A | 20071017 | CN 2007-10100647 | 20070309 |
| PRAI | US 2006-372800 | A | 20060310 | | |

L7 ANSWER 3 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:984772 CAPLUS
DN 147:346362
TI Heat transfer composition
IN Low, Robert Elliott; Corr, Stuart
PA Ineos Fluor Holdings Limited, UK
SO Brit. UK Pat. Appl., 44pp.
CODEN: BAXXDU
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | GB 2435747 | A | 20070905 | GB 2006-19503 | 20061003 |
| | GB 2437373 | A | 20071024 | GB 2006-19504 | 20061003 |
| PRAI | GB 2006-14067 | A | 20060717 | | |

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:944234 CAPLUS
DN 147:279666
TI Method for producing fluorinated organic compounds
IN Mukhopadhyay, Sudip; Tung, Hsueh S.; Light, Barbara A.; Phillips, Steven D.; Ma, Jing Ji; Bortz, Cheryl L.; Van Der Puy, Michael; Merkel, Daniel C.; Dubey, Rajesh K.
PA Honeywell International Inc., USA
SO U.S. Pat. Appl. Publ., 12pp., Cont.-in-part of U.S. Ser. No. 118,504.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007197842 | A1 | 20070823 | US 2007-619592 | 20070103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |
| | US 2005245774 | A1 | 20051103 | US 2005-118504 | 20050429 |

| | | | | |
|---|----|----------|------------------|----------|
| CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| US 7189884 | B2 | 20070313 | | |
| EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |
| CN 1972887 | A | 20070530 | CN 2005-80020412 | 20050429 |
| KR 2007005737 | A | 20070110 | KR 2006-725179 | 20061129 |
| KR 2007011554 | A | 20070124 | KR 2006-725180 | 20061129 |
| PRAI US 2004-567425P | P | 20040429 | | |
| US 2004-567426P | P | 20040429 | | |
| US 2004-567427P | P | 20040429 | | |
| US 2004-567428P | P | 20040429 | | |
| US 2004-567429P | P | 20040429 | | |
| US 2005-118503 | A2 | 20050429 | | |
| US 2005-118504 | A2 | 20050429 | | |
| US 2005-118530 | A2 | 20050429 | | |
| US 2006-755485P | P | 20060103 | | |
| WO 2005-US14950 | W | 20050429 | | |
| WO 2005-US15124 | W | 20050429 | | |
| OS CASREACT 147:279666 | | | | |

L7 ANSWER 5 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:943866 CAPLUS

DN 147:279663

TI Method for producing fluorinated organic compounds

IN Mukhopadhyay, Sudip; Tung, Hsueh S.; Van Der Puy, Michael; Merkel, Daniel C.; Ma, Jing Ji; Bortz, Cheryl L.; Light, Barbara A.; Phillips, Steven D.; Fleming, Kim M.; Ferguson, Susan A.

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 9pp., Cont.-in-part of U.S. Ser. No. 118,504.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-----------------|------|----------|------------------|----------|
| PI | US 2007197841 | A1 | 20070823 | US 2007-619589 | 20070103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |
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| | CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| | CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| | US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| | US 7189884 | B2 | 20070313 | | |
| | EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | | |
| | EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | | |
| | CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |
| | CN 1972887 | A | 20070530 | CN 2005-80020412 | 20050429 |
| | KR 2007005737 | A | 20070110 | KR 2006-725179 | 20061129 |
| | KR 2007011554 | A | 20070124 | KR 2006-725180 | 20061129 |
| PRAI | US 2004-567425P | P | 20040429 | | |
| | US 2004-567426P | P | 20040429 | | |
| | US 2004-567427P | P | 20040429 | | |
| | US 2004-567428P | P | 20040429 | | |
| | US 2004-567429P | P | 20040429 | | |

US 2005-118503 A2 20050429
US 2005-118504 A2 20050429
US 2005-118530 A2 20050429
US 2006-755486P P 20060103
WO 2005-US14950 W 20050429
WO 2005-US15124 W 20050429

OS CASREACT 147:279663

L7 ANSWER 6 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:790061 CAPLUS
DN 147:191684
TI Refrigerant additive compositions containing perfluoropolyethers
IN Leck, Thomas J.; Saturno, Thomas Frank; Bell, Gregory A.
PA E. I. Du Pont De Nemours and Company, USA
SO PCT Int. Appl., 32pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|-----------------|--|----------|-----------------|----------|
| PI | WO 2007082046 | A1 | 20070719 | WO 2007-US783 | 20070112 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | US 2007187639 | A1 | 20070816 | US 2007-653125 | 20070112 |
| PRAI | US 2006-758735P | P | 20060113 | | |
| RE.CNT | 5 | THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | |

L7 ANSWER 7 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:763495 CAPLUS
DN 147:165730
TI Method for producing fluorinated organic compounds
IN Tung, Hsueh Sung; Mukhopahyay, Sudip; Van der Puy, Michael; Ma, Jing Ji; Bortz, Cheryl; Light, Barbara; Phillips, Steven D.; Dubey, Rajesh; Merkel, Daniel C.
PA Honeywell International Inc., USA
SO PCT Int. Appl., 30pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2007079431 | A2 | 20070712 | WO 2007-US56 | 20070103 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | |

CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

PRAI US 2006-755485P P 20060103

OS MARPAT 147:165730

L7 ANSWER 8 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:763489 CAPLUS

DN 147:165729

TI Method for producing fluorinated organic compounds

IN Tung, Hsueh Sung; Mukhopadhyay, Sudip; Van der Puy, Michael; Ma, Jing Ji;
Merkel, Daniel C.; Bortz, Cheryl; Light, Barbara; Phillips, Steven D.;
Fleming, Kim M.; Ferguson, Susan

PA Honeywell International Inc., USA

SO PCT Int. Appl., 27pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | WO 2007079435 | A2 | 20070712 | WO 2007-US64 | 20070103 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |

PRAI US 2006-755486P P 20060103

OS CASREACT 147:165729; MARPAT 147:165729

L7 ANSWER 9 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:658617 CAPLUS

DN 147:302998

TI Simultaneous conversion of CHClF_2 and CH_3Br to CH_2CF_2

AU Yu, Hai; Kennedy, Eric M.; Mackie, John C.; Dlugogorski, Bogdan Z.

CS Process Safety and Environment Protection Research Group, School of Engineering, The University of Newcastle, Callaghan, NSW 2308, Australia

SO Chemosphere (2007), 68(10), 2003-2006

CODEN: CMSHAF; ISSN: 0045-6535

PB Elsevier Ltd.

DT Journal

LA English

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:538313 CAPLUS

DN 146:500602

TI Method for producing fluorinated propylenes

IN Mukhopadhyay, Sudip; Nair, Haridasan K.; Tung, Hsueh S.; Van Der Puy, Michael; Merkel, Daniel C.; Dubey, Rajesh K.; Ma, Jing Ji

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 10pp., Cont.-in-part of U.S. Ser. No. 118,504.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | US 2007112230 | A1 | 20070517 | US 2006-592761 | 20061103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |
| | US 2005245774 | A1 | 20051103 | US 2005-118504 | 20050429 |
| | CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| | CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| | US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| | US 7189884 | B2 | 20070313 | | |
| | EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| | EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| | CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |
| | CN 1972887 | A | 20070530 | CN 2005-80020412 | 20050429 |
| | US 2007123741 | A1 | 20070531 | US 2006-588671 | 20061027 |
| | US 2007179324 | A1 | 20070802 | US 2006-588464 | 20061027 |
| | WO 2007056194 | A1 | 20070518 | WO 2006-US43053 | 20061103 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | KR 2007005737 | A | 20070110 | KR 2006-725179 | 20061129 |
| | KR 2007011554 | A | 20070124 | KR 2006-725180 | 20061129 |
| PRAI | US 2004-567425P | P | 20040429 | | |
| | US 2004-567426P | P | 20040429 | | |
| | US 2004-567427P | P | 20040429 | | |
| | US 2004-567428P | P | 20040429 | | |
| | US 2004-567429P | P | 20040429 | | |
| | US 2005-118503 | A2 | 20050429 | | |
| | US 2005-118504 | A2 | 20050429 | | |
| | US 2005-118530 | A2 | 20050429 | | |
| | US 2005-733355P | P | 20051103 | | |
| | WO 2005-US14950 | W | 20050429 | | |
| | WO 2005-US15124 | W | 20050429 | | |
| | US 2006-763086P | P | 20060127 | | |
| OS | CASREACT 146:500602; MARPAT 146:500602 | | | | |
| L7 | ANSWER 11 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN | | | | |
| AN | 2007:538312 CAPLUS | | | | |
| DN | 146:500601 | | | | |
| TI | Method for producing fluorinated propylenes | | | | |
| IN | Mukhopadhyay, Sudip; Nair, Haridasan K.; Dubey, Rajesh K.; Singh, Rajiv R.; Shia, George A. | | | | |
| PA | Honeywell International Inc., USA | | | | |
| SO | U.S. Pat. Appl. Publ., 9pp., Cont.-in-part of U.S. Ser. No. 118,504. | | | | |
| | CODEN: USXXCO | | | | |
| DT | Patent | | | | |
| LA | English | | | | |
| FAN | CNT 24 | | | | |
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| PI | US 2007112229 | A1 | 20070517 | US 2006-592476 | 20061103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |

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| US 2005245774 | A1 | 20051103 | US 2005-118504 | 20050429 |
| CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| US 7189884 | B2 | 20070313 | | |
| EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |
| CN 1972887 | A | 20070530 | CN 2005-80020412 | 20050429 |
| WO 2007056128 | A1 | 20070518 | WO 2006-US42936 | 20061103 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

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|---------------|---|----------|----------------|----------|
| KR 2007005737 | A | 20070110 | KR 2006-725179 | 20061129 |
| KR 2007011554 | A | 20070124 | KR 2006-725180 | 20061129 |

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| PRAI | US 2004-567425P | P | 20040429 |
| | US 2004-567426P | P | 20040429 |
| | US 2004-567427P | P | 20040429 |
| | US 2004-567428P | P | 20040429 |
| | US 2004-567429P | P | 20040429 |
| | US 2005-118503 | A2 | 20050429 |
| | US 2005-118504 | A2 | 20050429 |
| | US 2005-118530 | A2 | 20050429 |
| | US 2005-733378P | P | 20051103 |
| | WO 2005-US14950 | W | 20050429 |
| | WO 2005-US15124 | W | 20050429 |

OS MARPAT 146:500601

L7 ANSWER 12 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:536864 CAPLUS

DN 146:500597

TI Method for producing fluorinated propylenes

IN Mukhopadhyay, Sudip; Nair, Haridasan K.; Tung, Hsueh S.; Van Der Puy, Michael; Merkel, Daniel C.; Dubey, Rajesh K.; Ma, Jing Ji; Light, Barbara A.; Fleming, Kim M.; Bortz, Cheryl L.; Udy, Richard

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 9pp., Cont.-in-part of U.S. Ser. No. 118,503.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007112228 | A1 | 20070517 | US 2006-592415 | 20061103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |
| | US 2005245774 | A1 | 20051103 | US 2005-118504 | 20050429 |
| | CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| | CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| | US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| | US 7189884 | B2 | 20070313 | | |
| | EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

EP 1740521 A1 20070110 EP 2005-744032 20050429

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

CN 1968915 A 20070523 CN 2005-80020225 20050429

CN 1972887 A 20070530 CN 2005-80020412 20050429

WO 2007056148 A1 20070518 WO 2006-US42972 20061103

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

KR 2007005737 A 20070110 KR 2006-725179 20061129

KR 2007011554 A 20070124 KR 2006-725180 20061129

PRAI US 2004-567425P P 20040429

US 2004-567426P P 20040429

US 2004-567427P P 20040429

US 2004-567428P P 20040429

US 2004-567429P P 20040429

US 2005-118503 A2 20050429

US 2005-118504 A2 20050429

US 2005-118530 A2 20050429

US 2005-733383P P 20051103

US 2005-733444P P 20051103

WO 2005-US14950 W 20050429

WO 2005-US15124 W 20050429

OS CASREACT 146:500597; MARPAT 146:500597

L7 ANSWER 13 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:536860 CAPLUS

DN 146:500596

TI Method for producing fluorinated alkenes

IN Mukhopadhyay, Sudip; Nair, Haridasan K.; Tung, Hsueh S.; Van Der Puy,
Michael; Johnson, Robert C.; Merkel, Daniel C.

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 8pp., Cont.-in-part of U.S. Ser. No. 118,504.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|------------------|----------|
| PI | US 2007112227 | A1 | 20070517 | US 2006-592842 | 20061103 |
| | US 2005245773 | A1 | 20051103 | US 2005-118503 | 20050429 |
| | US 2005245774 | A1 | 20051103 | US 2005-118504 | 20050429 |
| | CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| | CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| | US 2006030744 | A1 | 20060209 | US 2005-118530 | 20050429 |
| | US 7189884 | B2 | 20070313 | | |
| | EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| | EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| | CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |

CN 1972887 A 20070530 CN 2005-80020412 20050429
 WO 2007056127 A1 20070518 WO 2006-US42935 20061103
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 KG, KZ, MD, RU, TJ, TM

KR 2007005737 A 20070110 KR 2006-725179 20061129
 KR 2007011554 A 20070124 KR 2006-725180 20061129
 PRAI US 2004-567425P P 20040429
 US 2004-567426P P 20040429
 US 2004-567427P P 20040429
 US 2004-567428P P 20040429
 US 2004-567429P P 20040429
 US 2005-118503 A2 20050429
 US 2005-118504 A2 20050429
 US 2005-118530 A2 20050429
 US 2005-733379P P 20051103
 WO 2005-US14950 W 20050429
 WO 2005-US15124 W 20050429
 OS CASREACT 146:500596; MARPAT 146:500596

L7 ANSWER 14 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:512186 CAPLUS
 DN 146:503389
 TI Compositions comprising fluoroolefins and uses thereof
 IN Sievert, Allen Capron; Nappa, Mario Joseph; Minor, Barbara Haviland; Leck,
 Thomas J.; Rao, Velliyur Nott Mallikarjuna; Swearingen, Ekaterina N.;
 Schmitz, Corneille; Mouli, Nandini; Perti, Deepak
 PA E. I. Du Pont De Nemours and Company, USA
 SO PCT Int. Appl., 133pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2007053697 | A2 | 20070510 | WO 2006-US42686 | 20061031 |
| | WO 2007053697 | A3 | 20070628 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, | | | | |
| | KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, | | | | |
| | MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, | | | | |
| | RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, | | | | |
| | TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, | | | | |
| | GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |
| | KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | US 2007108403 | A1 | 20070517 | US 2006-589588 | 20061030 |
| PRAI | US 2005-732581P | P | 20051101 | | |
| | US 2006-486791 | A | 20060713 | | |
| | US 2006-589588 | A | 20061030 | | |

L7 ANSWER 15 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:488744 CAPLUS
 DN 146:482943
 TI Blowing agents containing unsaturated fluorocarbons for manufacturing plastic foam
 IN Creazzo, Joseph Anthony; Nappa, Mario Joseph; Sievert, Allen Capron; Swearingen, Ekaterina N.
 PA USA
 SO U.S. Pat. Appl. Publ., 19pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2007100010 | A1 | 20070503 | US 2006-591350 | 20061101 |
| | US 2007100009 | A1 | 20070503 | US 2006-591349 | 20061101 |
| | US 2007100011 | A1 | 20070503 | US 2006-591400 | 20061101 |
| | US 2007102021 | A1 | 20070510 | US 2006-591401 | 20061101 |
| | US 2007105738 | A1 | 20070510 | US 2006-591650 | 20061101 |
| | WO 2007053670 | A2 | 20070510 | WO 2006-US42623 | 20061101 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | WO 2007053672 | A2 | 20070510 | WO 2006-US42633 | 20061101 |
| | WO 2007053672 | A3 | 20070628 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
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| | WO 2007053673 | A2 | 20070510 | WO 2006-US42634 | 20061101 |
| | WO 2007053673 | A3 | 20070705 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | WO 2007053674 | A2 | 20070510 | WO 2006-US42635 | 20061101 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, | | | | |

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 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

WO 2007053675 A2 20070510 WO 2006-US42636 20061101
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRAI US 2005-732090P P 20051101

US 2005-732771P P 20051101

OS MARPAT 146:482943

L7 ANSWER 16 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:484988 CAPLUS

DN 146:484217

TI Direct conversion of HCFC 225ca/cb mixture to HFC 245cb and HFC 1234yf

IN Nair, Haridasan; Mukhopadhyay, Sudip; Van Der Puy, Michael

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 6pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007096053 | A1 | 20070503 | US 2005-265949 | 20051103 |
| | WO 2007086972 | A2 | 20070802 | WO 2006-US42704 | 20061031 |
| | WO 2007086972 | A3 | 20071004 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI US 2005-265949 A 20051103

L7 ANSWER 17 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:484984 CAPLUS

DN 146:484033

TI Fire extinguishing and fire suppression compositions comprising
 unsaturated fluorocarbons

IN Nappa, Mario Joseph; Swearingen, Ekaterina N.; Sievert, Allen Capron

PA USA

SO U.S. Pat. Appl. Publ., 11pp.

CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2007096051 | A1 | 20070503 | US 2006-590453 | 20061031 |
| | WO 2007053737 | A2 | 20070510 | WO 2006-US42772 | 20061101 |
| | WO 2007053737 | A3 | 20070614 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| PRAI | US 2005-732396P | P | 20051101 | | |
| OS | MARPAT 146:484033 | | | | |

L7 ANSWER 18 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:484395 CAPLUS
DN 146:468564
TI Aerosol propellants comprising unsaturated fluorocarbons
IN Nappa, Mario Joseph; Creazzo, Joseph Anthony; Sievert, Allen Capron; Swearingen, Ekaterina N.
PA USA
SO U.S. Pat. Appl. Publ., 13pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2007098646 | A1 | 20070503 | US 2006-590344 | 20061030 |
| | WO 2007053671 | A1 | 20070510 | WO 2006-US42632 | 20061101 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | US 2005-732292P | P | 20051101 | | |
| OS | MARPAT 146:468564 | | | | |

L7 ANSWER 19 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:484315 CAPLUS
DN 146:461838
TI Azeotrope distillation process for the separation of 2,3,3,3-tetrafluoropropene from compositions comprising 2,3,3,3-tetrafluoropropene and hydrogen fluoride and 1,1,1,2,2-pentafluoropropane
IN Miller, Ralph Newton; Nappa, Mario Joseph; Rao, Velliyur Nott Mallikarjuna; Sievert, Allen Capron
PA USA

SO U.S. Pat. Appl. Publ., 14pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | US 2007100175 | A1 | 20070503 | US 2006-590454 | 20061031 |
| | WO 2007053736 | A2 | 20070510 | WO 2006-US42771 | 20061101 |
| | WO 2007053736 | A3 | 20070802 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | |
| PRAI | US 2005-732321P | P | 20051101 | | |

L7 ANSWER 20 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:173295 CAPLUS
DN 146:231393
TI Preparation of tetrafluoropropenes
IN Rao, Velliyur Nott Mallikarjuna; Sievert, Allen C.; Rosenfeld, H. David; Subramoney, Shekhar
PA E. I. Du Pont de Nemours and Company, USA
SO PCT Int. Appl., 23pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2007019355 | A1 | 20070215 | WO 2006-US30531 | 20060804 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| PRAI | US 2005-706107P | P | 20050805 | | |

OS CASREACT 146:231393; MARPAT 146:231393
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:41169 CAPLUS
DN 146:123115
TI Foaming agents and compositions containing fluorine substituted olefins, foam premix, and methods of foaming
IN Bowman, James M.; Williams, David J.
PA Honeywell International Inc., USA
SO U.S. Pat. Appl. Publ., 16 pp., Cont.-in-part of U.S. Ser. No. 837,525.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007010592 | A1 | 20070111 | US 2006-474887 | 20060626 |
| | US 2004119047 | A1 | 20040624 | US 2003-694273 | 20031027 |
| | US 2004256594 | A1 | 20041223 | US 2004-837525 | 20040429 |
| | US 7279451 | B2 | 20071009 | | |
| | ZA 2005004236 | A | 20060726 | ZA 2005-4236 | 20050524 |
| | WO 2007109748 | A2 | 20070927 | WO 2007-US64570 | 20070321 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

| | | | | | |
|------|-----------------|----|----------|--|--|
| PRAI | US 2002-421263P | P | 20021025 | | |
| | US 2003-694273 | A2 | 20031027 | | |
| | US 2004-837525 | A2 | 20040429 | | |
| | US 2005-693853P | P | 20050624 | | |
| | US 2006-784731P | P | 20060321 | | |
| | US 2002-421435P | P | 20021025 | | |
| | US 2003-694272 | A2 | 20031027 | | |
| | US 2003-695212 | A2 | 20031027 | | |

OS MARPAT 146:123115

L7 ANSWER 22 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:41168 CAPLUS

DN 146:145113

TI Fluoroolefin-based working fluids, heat transfer agents, aerosol propellants, and blowing agents

IN Singh, Rajiv R.; Pham, Hang T.; Willson, David P.; Thomas, Raymond H.; Spatz, Mark W.; Metcalf, David A.

PA Honeywell International, Inc., USA

SO U.S. Pat. Appl. Publ., 20pp., Cont.-in-part of U.S. Ser. No. 694,273.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007007488 | A1 | 20070111 | US 2006-475605 | 20060626 |
| | US 2004089839 | A1 | 20040513 | US 2003-695212 | 20031027 |
| | US 2004119047 | A1 | 20040624 | US 2003-694273 | 20031027 |
| | US 2005090698 | A1 | 20050428 | US 2003-694272 | 20031027 |
| | US 7230146 | B2 | 20070612 | | |
| | WO 2005042663 | A1 | 20050512 | WO 2004-US35132 | 20041025 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

EP 1725628 A1 20061129 EP 2004-817445 20041025
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
CN 1898353 A 20070117 CN 2004-80039094 20041025
JP 2007510039 T 20070419 JP 2006-538130 20041025
PRAI US 2003-694272 A2 20031027
US 2003-694273 A2 20031027
US 2003-695212 B2 20031027
US 2005-693853P P 20050624
US 2002-421263P P 20021025
US 2002-421435P P 20021025
WO 2004-US35132 W 20041025
OS MARPAT 146:145113

L7 ANSWER 23 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:16781 CAPLUS
DN 146:123085
TI Foaming agents and compositions containing fluorine substituted olefins,
and methods of foaming
IN Bowman, James M.; Williams, David J.
PA Honeywell International Inc., USA
SO PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2007002703 | A2 | 20070104 | WO 2006-US25060 | 20060626 |
| | WO 2007002703 | A3 | 20070927 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, | | | | |
| | KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, | | | | |
| | MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, | | | | |
| | SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, | | | | |
| | US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, | | | | |
| | GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |
| | KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | WO 2007109748 | A2 | 20070927 | WO 2007-US64570 | 20070321 |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, | | | | |
| | CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, | | | | |
| | GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, | | | | |
| | KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, | | | | |
| | MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, | | | | |
| | RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, | | | | |
| | TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, | | | | |
| | BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, | | | | |
| | GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, | | | | |
| | BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | US 2005-693853P | P | 20050624 | | |
| | US 2006-784731P | P | 20060321 | | |
| OS | MARPAT 146:123085 | | | | |

L7 ANSWER 24 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:11838 CAPLUS
DN 146:124520

TI Compositions containing fluorine substituted olefins
 IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.;
 Spatz, Mark W.; Metcalf, David A.
 PA Honeywell International Inc., USA
 SO PCT Int. Appl., 53pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2007002625 | A2 | 20070104 | WO 2006-US24886 | 20060626 |
| | WO 2007002625 | A3 | 20070518 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | |
| PRAI | US 2005-693853P | P | 20050624 | | |

L7 ANSWER 25 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1256422 CAPLUS
 DN 146:33039
 TI Pharmaceutical formulations
 IN Knopeck, Gary M.; Diringier, Jeremy; Herena, Louis; Singh, Rajiv R.
 PA Honeywell International Inc., USA
 SO U.S. Pat. Appl. Publ., 11pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | US 2006269484 | A1 | 20061130 | US 2006-375826 | 20060315 |
| | BR 2006002430 | A | 20070814 | BR 2006-2430 | 20060316 |
| PRAI | US 2005-662579P | P | 20050316 | | |
| OS | MARPAT 146:33039 | | | | |

L7 ANSWER 26 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1204363 CAPLUS
 DN 145:488903
 TI Catalytic alkylation process for producing hydrofluorocarbons from fluoromethane and fluorinated alkenes
 IN Mukhopadhyay, Sudip; Tung, Hsuehsung; Nair, Haridasan K.; Ma, Jingji
 PA Honeywell International Inc., USA
 SO U.S. Pat. Appl. Publ., 5pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|---|----------|-----------------|----------|
| PI | US 2006258891 | A1 | 20061116 | US 2005-127892 | 20050512 |
| | WO 2006124335 | A1 | 20061123 | WO 2006-US17462 | 20060505 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, | | | |

KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
 MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
 SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
 VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRAI US 2005-127892 A 20050512
 OS CASREACT 145:488903; MARPAT 145:488903

L7 ANSWER 27 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1150221 CAPLUS
 DN 145:473771
 TI Fluoroolefin-based fluorocarbon-hydrocarbon mixtures as working fluids,
 heat transfer agents, and fire extinguishers
 IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
 Bernard; Perti, Deepak; Baunchalk, Mark Steven
 PA USA
 SO U.S. Pat. Appl. Publ., 77pp., Cont.-in-part of U.S. Ser. No. 369,227.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | US 2006243945 | A1 | 20061102 | US 2006-393109 | 20060330 |
| | US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| PRAI | US 2005-658543P | P | 20050304 | | |
| | US 2005-710439P | P | 20050823 | | |
| | US 2005-732769P | P | 20051101 | | |
| | US 2006-369227 | A2 | 20060302 | | |
| OS | MARPAT 145:473771 | | | | |

L7 ANSWER 28 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1012399 CAPLUS
 DN 145:383499
 TI Medicament delivery formulations, devices and methods using environmental
 friendly propellant
 IN Gnopeck, Gary M.; Diringer, Jeremy; Herena, Louis; Singh, Rajiv R.
 PA Honeywell International Inc., USA
 SO PCT Int. Appl., 30pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----|--|------|----------|-----------------|----------|
| PI | WO 2006101882 | A2 | 20060928 | WO 2006-US9271 | 20060315 |
| | WO 2006101882 | A3 | 20070412 | | |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| IN | 2007DN07208 | A | 20071005 | IN 2007-DN7208 | 20070919 |

PRAI US 2005-622579P P 20050316
WO 2006-US9271 W 20060315
OS MARPAT 145:383499

L7 ANSWER 29 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:917627 CAPLUS
DN 145:317314
TI Low-ozone-depletion and low-global-warming-potential working fluids
containing C3-fluorooolefins
IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
Bernard; Perti, Deepak
PA E.I. Dupont de Nemours and Company, USA
SO PCT Int. Appl., 177 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2006094303 | A2 | 20060908 | WO 2006-US8164 | 20060303 |
| | WO 2006094303 | A3 | 20070621 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, | | | | |
| | KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, | | | | |
| | MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, | | | | |
| | SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, | | | | |
| | VN, YU, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, | | | | |
| | GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |
| | KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| | AU 2006218376 | A1 | 20060908 | AU 2006-218376 | 20060303 |
| | IN 2007DN06834 | A | 20070921 | IN 2007-DN6834 | 20070903 |
| PRAI | US 2005-658543P | P | 20050304 | | |
| | US 2005-710439P | P | 20050823 | | |
| | US 2005-732769P | P | 20051101 | | |
| | US 2006-369227 | A | 20060302 | | |
| | WO 2006-US8164 | W | 20060303 | | |
| OS | MARPAT 145:317314 | | | | |

L7 ANSWER 30 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:634216 CAPLUS
DN 145:106022
TI Stabilized iodocarbon compositions
IN Singh, Rajiv R.; Nair, Haridasan K.; Thomas, Raymond H.; Ford, Lawrence
A.; Wilson, David P.
PA Honeywell International Inc., USA
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2006069362 | A2 | 20060629 | WO 2005-US46982 | 20051221 |
| | WO 2006069362 | A3 | 20070301 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, | | | | |
| | KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, | | | | |
| | MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, | | | | |

SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
 VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

AU 2005318958 A1 20060629 AU 2005-318958 20051221
 CA 2591130 A1 20060629 CA 2005-2591130 20051221
 EP 1846534 A2 20071024 EP 2005-855525 20051221

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR

PRAI US 2004-638003P P 20041221
 WO 2005-US46982 W 20051221

OS MARPAT 145:106022

L7 ANSWER 31 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:469480 CAPLUS

DN 144:490632

TI Processes for production and purification of hydrofluoroolefins

IN Miller, Ralph Newton; Nappa, Mario Joseph; Rao, Velliyur Nott
 Mallikarjuna; Sievert, Allen Capron

PA USA

SO U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U.S. Ser. No. 259,901.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2006106263 | A1 | 20060518 | US 2005-264183 | 20051101 |
| | US 2006094911 | A1 | 20060504 | US 2005-259901 | 20051027 |
| | EP 1805124 | A2 | 20070711 | EP 2005-819557 | 20051028 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU | | | | |
| | WO 2007053178 | A1 | 20070510 | WO 2006-US13361 | 20060411 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRAI US 2004-623210P P 20041029
 US 2005-259901 A2 20051027
 WO 2005-US39169 W 20051028
 US 2005-264183 A 20051101

OS CASREACT 144:490632

L7 ANSWER 32 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:351522 CAPLUS

DN 145:49905

TI Experimental and Quantum Chemical Study of the Reaction $CF_2 + CH_3 \leftrightarrow CF_2CH_3 \rightarrow CH_2:CF_2 + H$: A Key Mechanism in the Reaction between Methane and Fluorocarbons

AU Yu, Hai; Mackie, John C.; Kennedy, Eric M.; Dlugogorski, Bogdan Z.

CS Process Safety and Environment Protection Research Group, School of Engineering, The University of Newcastle, Callaghan, NSW 2308, Australia

SO Industrial & Engineering Chemistry Research (2006), 45(10), 3758-3762
CODEN: IECRED; ISSN: 0888-5885
PB American Chemical Society
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 33 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:337682 CAPLUS
DN 144:350314
TI Catalytic conversion of hydrofluoroalkanols into hydrofluoroalkenes
IN Mukhopadhyay, Sudip; Tung, Hsuehsung; Nair, Haridasan K.
PA Honeywell International Inc., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------|---|------|----------|-----------------|----------|
| PI | US 7026520 | B1 | 20060411 | US 2004-6922 | 20041208 |
| | WO 2006063069 | A2 | 20060615 | WO 2005-US44298 | 20051209 |
| | WO 2006063069 | A3 | 20060817 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | EP 1828083 | A2 | 20070905 | EP 2005-853260 | 20051209 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| PRAI | US 2004-6922 | A | 20041208 | | |
| | WO 2005-US44298 | W | 20051209 | | |
| OS | CASREACT 144:350314; MARPAT 144:350314 | | | | |
| RE.CNT 4 | THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

L7 ANSWER 34 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:192246 CAPLUS
DN 144:256914
TI Compositions comprising tetrafluoropropene and carbon dioxide
IN Shankland, Ian; Singh, Rajiv R.
PA Honeywell International, Inc., USA
SO U.S. Pat. Appl. Publ., 20 pp., Cont.-in-part of U.S. Ser. No. 837,521.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | US 2006043331 | A1 | 20060302 | US 2005-118833 | 20050429 |
| | US 2005241805 | A1 | 20051103 | US 2004-837521 | 20040429 |
| | CA 2564897 | A1 | 20051117 | CA 2005-2564897 | 20050429 |
| | CA 2564903 | A1 | 20051117 | CA 2005-2564903 | 20050429 |
| | EP 1740518 | A1 | 20070110 | EP 2005-740929 | 20050429 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |

IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

| | | | | |
|--|-------------------|----------|------------------|----------|
| EP 1740521 | A1 | 20070110 | EP 2005-744032 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| CN 1968915 | A | 20070523 | CN 2005-80020225 | 20050429 |
| CN 1972887 | A | 20070530 | CN 2005-80020412 | 20050429 |
| KR 2007005737 | A | 20070110 | KR 2006-725179 | 20061129 |
| KR 2007011554 | A | 20070124 | KR 2006-725180 | 20061129 |
| PRAI US 2004-567425P | P | 20040429 | | |
| US 2004-567426P | P | 20040429 | | |
| US 2004-567427P | P | 20040429 | | |
| US 2004-567428P | P | 20040429 | | |
| US 2004-567429P | P | 20040429 | | |
| US 2004-837521 | A2 | 20040429 | | |
| WO 2005-US14950 | W | 20050429 | | |
| WO 2005-US15124 | W | 20050429 | | |
| OS | MARPAT 144:256914 | | | |

L7 ANSWER 35 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:192223 CAPLUS
 DN 144:256913
 TI Azeotrope-like compositions of tetrafluoropropene and trifluoroiodomethane
 IN Wilson, David P.; Pham, Hang T.; Singh, Rajiv R.; Thomas, Raymond H.
 PA Honeywell International Inc., USA
 SO U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 826,811.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 13

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| PI | US 2006043330 | A1 | 20060302 | US 2005-109189 | 20050418 |
| | US 2005233931 | A1 | 20051020 | US 2004-826072 | 20040416 |
| | US 7074751 | B2 | 20060711 | | |
| | US 2005233934 | A1 | 20051020 | US 2004-826592 | 20040416 |
| | US 6969701 | B2 | 20051129 | | |
| | US 2005233932 | A1 | 20051020 | US 2004-826597 | 20040416 |
| | US 7098176 | B2 | 20060829 | | |
| | US 2005233933 | A1 | 20051020 | US 2004-826727 | 20040416 |
| | US 2005233923 | A1 | 20051020 | US 2004-826811 | 20040416 |
| PRAI | US 2004-563085P | P | 20040416 | | |
| | US 2004-826072 | A2 | 20040416 | | |
| | US 2004-826592 | A2 | 20040416 | | |
| | US 2004-826597 | A2 | 20040416 | | |
| | US 2004-826727 | A2 | 20040416 | | |
| | US 2004-826811 | A2 | 20040416 | | |

L7 ANSWER 36 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:149940 CAPLUS
 DN 144:215681
 TI Stabilized trifluoroiodomethane compositions
 IN Wilson, David P.; Thomas, Raymond H.; Singh, Rajiv R.
 PA Honeywell International, Inc., USA
 SO U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser., No. 826,811.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 13

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2006033072 | A1 | 20060216 | US 2005-109575 | 20050418 |
| | US 2005233931 | A1 | 20051020 | US 2004-826072 | 20040416 |
| | US 7074751 | B2 | 20060711 | | |
| | US 2005233934 | A1 | 20051020 | US 2004-826592 | 20040416 |

| | | | | | |
|------|-------------------|----|----------|----------------|----------|
| | US 6969701 | B2 | 20051129 | | |
| | US 2005233932 | A1 | 20051020 | US 2004-826597 | 20040416 |
| | US 7098176 | B2 | 20060829 | | |
| | US 2005233933 | A1 | 20051020 | US 2004-826727 | 20040416 |
| | US 2005233923 | A1 | 20051020 | US 2004-826811 | 20040416 |
| PRAI | US 2004-563085P | P | 20040416 | | |
| | US 2004-826072 | A2 | 20040416 | | |
| | US 2004-826592 | A2 | 20040416 | | |
| | US 2004-826597 | A2 | 20040416 | | |
| | US 2004-826727 | A2 | 20040416 | | |
| | US 2004-826811 | A2 | 20040416 | | |
| OS | MARPAT 144:215681 | | | | |

L7 ANSWER 37 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:94801 CAPLUS
DN 144:173962
TI Azeotrope-like compositions of tetrafluoropropene and pentafluoropropene
IN Wilson, David P.; Pham, Hang T.; Singh, Rajiv R.; Thomas, Raymond H.;
Nalewajek, David
PA Honeywell International Inc., USA
SO U.S. Pat. Appl. Publ., 11 pp., Cont.-in-part of U.S. Ser. No. 826,811.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 13

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 2006022166 | A1 | 20060202 | US 2005-109190 | 20050418 |
| | US 2005233931 | A1 | 20051020 | US 2004-826072 | 20040416 |
| | US 7074751 | B2 | 20060711 | | |
| | US 2005233934 | A1 | 20051020 | US 2004-826592 | 20040416 |
| | US 6969701 | B2 | 20051129 | | |
| | US 2005233932 | A1 | 20051020 | US 2004-826597 | 20040416 |
| | US 7098176 | B2 | 20060829 | | |
| | US 2005233933 | A1 | 20051020 | US 2004-826727 | 20040416 |
| | US 2005233923 | A1 | 20051020 | US 2004-826811 | 20040416 |
| PRAI | US 2004-563085P | P | 20040416 | | |
| | US 2004-826072 | A2 | 20040416 | | |
| | US 2004-826592 | A2 | 20040416 | | |
| | US 2004-826597 | A2 | 20040416 | | |
| | US 2004-826727 | A2 | 20040416 | | |
| | US 2004-826811 | A2 | 20040416 | | |

L7 ANSWER 38 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1241047 CAPLUS
DN 143:487065
TI Carbon-doped-Si oxide etch using H2 additive in fluorocarbon etch chemistry
IN Gu, Binxi; Delgadino, Gerardo; Ye, Yan; Chen, Mike Ming Yu
PA Applied Materials, Inc., USA
SO PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | WO 2005112092 | A2 | 20051124 | WO 2005-US16355 | 20050509 |
| | WO 2005112092 | A3 | 20070518 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, | | | | |

SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
 ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
 MR, NE, SN, TD, TG, AP, EA, EP, OA

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 PRAI US 2004-570524P P 20040511
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L7 ANSWER 39 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:1220416 CAPLUS
 DN 143:460601
 TI Processes for synthesis of 1,3,3,3-tetrafluoropropene and
 2,3,3,3-tetrafluoropropene
 IN Tung, Hsueh S.; Nair, Haridasan K.; Mukhopadhyay, Sundip S. M.; Van Der
 Puy, Michael
 PA Honeywell International, Inc., USA
 SO PCT Int. Appl., 23 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 24

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|------------------|----------|
| WO 2005108334 | A1 | 20051117 | WO 2005-US15125 | 20050429 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
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| CA 2564991 | A1 | 20051117 | CA 2005-2564991 | 20050429 |
| EP 1740520 | A1 | 20070110 | EP 2005-742279 | 20050429 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
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L7 ANSWER 40 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:1132880 CAPLUS
 DN 143:388886
 TI Azeotrope-like compositions of tetrafluoropropene and trifluoroiodomethane
 and applications
 IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.
 PA Honeywell International, Inc., USA
 SO U.S. Pat. Appl. Publ., 7 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 13

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2005233934 | A1 | 20051020 | US 2004-826592 | 20040416 |
| | US 6969701 | B2 | 20051129 | | |
| | AU 2005236036 | A1 | 20051103 | AU 2005-236036 | 20050418 |
| | AU 2005236038 | A1 | 20051103 | AU 2005-236038 | 20050418 |
| | AU 2005236039 | A1 | 20051103 | AU 2005-236039 | 20050418 |
| | CA 2564023 | A1 | 20051103 | CA 2005-2564023 | 20050418 |
| | WO 2005103187 | A1 | 20051103 | WO 2005-US13182 | 20050418 |
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| EP 1735397 | A1 | 20061227 | EP 2005-736672 20050418 |
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| EP 1735398 | A1 | 20061227 | EP 2005-736885 20050418 |
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| EP 1735399 | A1 | 20061227 | EP 2005-738902 20050418 |
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| EP 1735400 | A1 | 20061227 | EP 2005-738906 20050418 |
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| EP 1735401 | A1 | 20061227 | EP 2005-738984 20050418 |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | |
| EP 1737922 | A2 | 20070103 | EP 2005-736618 20050418 |
| R: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU | | |
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| WO 2005-US13183 | W | 20050418 |
| WO 2005-US13184 | W | 20050418 |
| WO 2005-US13185 | W | 20050418 |
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DN 143:407746
TI Azeotrope-like compositions of tetrafluoropropene and pentafluoropropene
IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.;
Nalewajek, David
PA Honeywell International, Inc., USA
SO U.S. Pat. Appl. Publ., 4 pp.
CODEN: USXXCO
DT Patent
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| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2005233932 | A1 | 20051020 | US 2004-826597 | 20040416 |
| | US 7098176 | B2 | 20060829 | | |
| | AU 2005236036 | A1 | 20051103 | AU 2005-236036 | 20050418 |
| | AU 2005236038 | A1 | 20051103 | AU 2005-236038 | 20050418 |
| | AU 2005236039 | A1 | 20051103 | AU 2005-236039 | 20050418 |
| | CA 2564023 | A1 | 20051103 | CA 2005-2564023 | 20050418 |
| | WO 2005103187 | A1 | 20051103 | WO 2005-US13182 | 20050418 |
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| | WO 2005103189 | A1 | 20051103 | WO 2005-US13184 | 20050418 |
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 US 2006022166 A1 20060202 US 2005-109190 20050418
 US 2006033071 A1 20060216 US 2005-109195 20050418
 US 2006033072 A1 20060216 US 2005-109575 20050418
 US 2006043330 A1 20060302 US 2005-109189 20050418
 EP 1735397 A1 20061227 EP 2005-736672 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
 EP 1735398 A1 20061227 EP 2005-736885 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
 EP 1735399 A1 20061227 EP 2005-738902 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,

IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

EP 1735400 A1 20061227 EP 2005-738906 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

EP 1735401 A1 20061227 EP 2005-738984 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

EP 1737922 A2 20070103 EP 2005-736618 20050418
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
 HR, LV, MK, YU

CN 1965049 A 20070516 CN 2005-80018976 20050418
 CN 1969027 A 20070523 CN 2005-80019140 20050418
 CN 1969028 A 20070523 CN 2005-80019197 20050418
 CN 1977023 A 20070606 CN 2005-80019019 20050418
 BR 2005009947 A 20070925 BR 2005-9947 20050418
 BR 2005009948 A 20070925 BR 2005-9948 20050418
 US 2006116310 A1 20060601 US 2005-250219 20051014
 MX 2006PA11977 A 20070125 MX 2006-PA11977 20061016
 MX 2006PA11978 A 20070125 MX 2006-PA11978 20061016
 MX 2006PA11979 A 20070125 MX 2006-PA11979 20061016
 KR 2007002093 A 20070104 KR 2006-724065 20061116
 KR 2007004099 A 20070105 KR 2006-724063 20061116
 KR 2007007366 A 20070115 KR 2006-724064 20061116
 KR 2007007935 A 20070116 KR 2006-724062 20061116

PRAI US 2004-563085P P 20040416
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 US 2004-826727 A 20040416
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 WO 2005-US13184 W 20050418
 WO 2005-US13185 W 20050418
 WO 2005-US13198 W 20050418
 WO 2005-US13199 W 20050418

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 42 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:371000 CAPLUS
 DN 140:377043
 TI Compositions containing fluorine substituted olefins
 IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.
 PA Honeywell International Inc., USA
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2004037913 | A2 | 20040506 | WO 2003-US33874 | 20031027 |
| | WO 2004037913 | A3 | 20050120 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |
| | CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, | | | | |
| | GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, | | | | |
| | LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, | | | | |
| | OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, | | | | |
| | TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |

KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

| | | | | |
|--|----|----------|------------------|----------|
| CA 2503421 | A1 | 20040506 | CA 2003-2503421 | 20031027 |
| AU 2003286685 | A1 | 20040513 | AU 2003-286685 | 20031027 |
| US 2004127383 | A1 | 20040701 | US 2003-694079 | 20031027 |
| US 6858571 | B2 | 20050222 | | |
| EP 1563032 | A2 | 20050817 | EP 2003-777896 | 20031027 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| BR 2003015633 | A | 20050823 | BR 2003-15633 | 20031027 |
| CN 1732243 | A | 20060208 | CN 2003-80107462 | 20031027 |
| JP 2006512426 | T | 20060413 | JP 2004-547148 | 20031027 |
| MX 2005PA04292 | A | 20050802 | MX 2005-PA4292 | 20050422 |
| IN 2005KN00962 | A | 20060721 | IN 2005-KN962 | 20050524 |
| ZA 2005004236 | A | 20060726 | ZA 2005-4236 | 20050524 |
| PRAI US 2002-421263P | P | 20021025 | | |
| US 2002-421435P | P | 20021025 | | |
| WO 2003-US33874 | W | 20031027 | | |
| OS MARPAT 140:377043 | | | | |

L7 ANSWER 43 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:777868 CAPLUS
 DN 137:281036
 TI Oxidative process for the purification of saturated halocarbons from their
 mixtures containing unsaturated halocarbons
 IN Flaherty, Stephen Andrew; Stewart, Paul Hendry
 PA Ineos Fluor Holdings Limited, UK
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | WO 2002079129 | A2 | 20021010 | WO 2002-GB1544 | 20020328 |
| | WO 2002079129 | A3 | 20021205 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2002251234 | A1 | 20021015 | AU 2002-251234 | 20020328 |
| | EP 1373173 | A2 | 20040102 | EP 2002-720164 | 20020328 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| | US 2004133051 | A1 | 20040708 | US 2004-473294 | 20040205 |
| | US 7186869 | B2 | 20070306 | | |
| PRAI | GB 2001-7705 | A | 20010328 | | |
| | WO 2002-GB1544 | W | 20020328 | | |

L7 ANSWER 44 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:185482 CAPLUS
 DN 136:255880
 TI Dry etching gas and method for dry etching
 IN Hirose, Masataka; Nakamura, Shingo; Itano, Mitsushi; Aoyama, Hirokazu
 PA Daikin Industries, Ltd., Japan
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|------------------|----------|
| PI | WO 2002021586 | A1 | 20020314 | WO 2001-JP7678 | 20010905 |
| | W: JP, KR, US | | | | |
| | TW 507289 | B | 20021021 | TW 2001-90122127 | 20010906 |
| | US 2004011763 | A1 | 20040122 | US 2003-362973 | 20030306 |
| PRAI | JP 2000-271709 | A | 20000907 | | |
| | WO 2001-JP7678 | W | 20010905 | | |

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 45 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:923728 CAPLUS

DN 136:39108

TI Fluorocarbon manufacturing process

IN Subramanian, Munirpallam A.

PA E. I. Du Pont de Nemours & Co., USA

SO PCT Int. Appl., 12 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2001096265 | A1 | 20011220 | WO 2000-US16128 | 20000612 |
| | W: CN, IN, JP, KR | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | EP 1289914 | A1 | 20030312 | EP 2000-939805 | 20000612 |
| | EP 1289914 | B1 | 20041006 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY | | | | |
| | JP 2004503514 | T | 20040205 | JP 2002-510411 | 20000612 |
| | IN 2002MN01501 | A | 20040911 | IN 2002-MN1501 | 20021025 |
| PRAI | WO 2000-US16128 | W | 20000612 | | |

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 46 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:816600 CAPLUS

DN 135:346143

TI Adsorptive removal of (hydro)haloalkene impurities from haloalkane product streams

IN Corr, Stuart; McCarthy, John Charles

PA Ineos Fluor Holdings Limited, UK

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2001083411 | A1 | 20011108 | WO 2001-GB1920 | 20010502 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |

EP 1278714 A1 20030129 EP 2001-925703 20010502
 EP 1278714 B1 20050112
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 JP 2003533447 T 20031111 JP 2001-580846 20010502
 AT 286868 T 20050115 AT 2001-925703 20010502
 ES 2239133 T3 20050916 ES 2001-1925703 20010502
 US 2003157009 A1 20030821 US 2003-258998 20030218
 US 7084315 B2 20060801
 PRAI GB 2000-10614 A 20000504
 WO 2001-GB1920 W 20010502
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 47 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2001:14297 CAPLUS
 DN 134:237080
 TI 1,2-FCI Rearrangement as an Intermediate Step in the Unimolecular 1,3-HCl
 Elimination from Chlorofluoropropanes
 AU Heard, George L.; Holmes, Bert E.
 CS Department of Chemistry, The University of North Carolina at Asheville,
 Asheville, NC, 28804, USA
 SO Journal of Physical Chemistry A (2001), 105(9), 1622-1625
 CODEN: JPCAFH; ISSN: 1089-5639
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 48 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2000:847801 CAPLUS
 DN 134:8583
 TI Process and apparatus for recovery of valuable components from waste gases
 in semiconductor manufacturing
 IN Shitara, Chiharu
 PA NEC Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | JP 2000334258 | A | 20001205 | JP 1999-145291 | 19990525 |
| | JP 3329378 | B2 | 20020930 | | |
| PRAI | JP 1999-145291 | | 19990525 | | |

L7 ANSWER 49 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2000:531695 CAPLUS
 DN 133:137070
 TI Manufacture of fluorocarbons with increased fluorine content using silver
 fluoride compositions
 IN Subramanian, Munirpallam A.
 PA E. I. Du Pont de Nemours & Co., USA
 SO U.S., 4 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | US 6096932 | A | 20000801 | US 1999-360959 | 19990727 |
| | US 6252099 | B1 | 20010626 | US 2000-536349 | 20000327 |

PRAI US 1998-94387P P 19980728

US 1999-360959 A3 19990727

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 50 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:638469 CAPLUS
DN 129:310145
TI Calculation of retention indexes of low-boiling organic compounds of
different chemical nature on the polymer sorbent Porapak Q
AU Zenkevich, I. G.
CS Chemistry Research Institute, St. Petersburg University, Petrodvorets,
198904, Russia
SO Journal of Analytical Chemistry (Translation of Zhurnal Analiticheskoi
Khimii) (1998), 53(9), 816-828
CODEN: JACTE2; ISSN: 1061-9348
PB MAIK Nauka/Interperiodica Publishing
DT Journal
LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 51 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:711819 CAPLUS
DN 128:3379
TI Rate Constants for the Reactions of OH with HFC-245cb (CH₃CF₂CF₃) and Some
Fluoroalkenes (CH₂CHCF₃, CH₂CFCF₃, CF₂CFCF₃, and CF₂CF₂)
AU Orkin, Vladimir L.; Huie, Robert E.; Kurylo, Michael J.
CS Physical and Chemical Properties Division, National Institute of Standards
and Technology, Gaithersburg, MD, 20899, USA
SO Journal of Physical Chemistry A (1997), 101(48), 9118-9124
CODEN: JPCAFH; ISSN: 1089-5639
PB American Chemical Society
DT Journal
LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 52 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:419276 CAPLUS
DN 127:144533
TI Quality control of GC retention indices data base for polymer sorbent
Porapak Q
AU Zenkevich, I.G.
CS Chemical Research Institute of St. Petersburg State University, St.
Petersburg, 198904, Russia
SO Process Control and Quality (1997), 9(1-3), 67-78
CODEN: PCQUEJ; ISSN: 0924-3089
PB Elsevier
DT Journal
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 53 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:381443 CAPLUS
DN 127:65486
TI Preparation of 2,3,3,3-tetrafluoropropene from trifluoroacetylacetone and
sulfur tetrafluoride
AU Banks, R. Eric; Barlow, Michael G.; Nickkho-Amiry, Mahmood
CS Chem. Dep., Univ. Manchester Inst. Sci. Technology (UMIST), Manchester,
M60 1QD, UK
SO Journal of Fluorine Chemistry (1997), 82(2), 171-174
CODEN: JFLCAR; ISSN: 0022-1139

PB Elsevier
DT Journal
LA English
OS CASREACT 127:65486
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 54 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:61805 CAPLUS
DN 126:143825
TI Threshold Energy and Unimolecular Rate Constant for Elimination of HF from Chemically Activated CF₃CF₂CH₃: Effect of the CF₃ Substituent on the α -Carbon
AU McDoniel, J. Bridget; Holmes, Bert E.
CS Department of Chemistry, Lyon College, Batesville, AR, 72501, USA
SO Journal of Physical Chemistry A (1997), 101(7), 1334-1337
CODEN: JPCAFH; ISSN: 1089-5639
PB American Chemical Society
DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 55 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:533850 CAPLUS
DN 117:133850
TI Heat transfer fluids
IN Inagaki, Sadayasu; Kobayashi, Noboru; Kamimura, Shigehiro; Noguchi, Masahiro
PA Daikin Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 04110388 | A | 19920410 | JP 1990-231618 | 19900831 |
| PRAI | JP 1990-231618 | | 19900831 | | |
| OS | MARPAT 117:133850 | | | | |

L7 ANSWER 56 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1992:511088 CAPLUS
DN 117:111088
TI A novel synthesis of perhalogenated alkenes
AU Montanari, Vittorio; DesMarteau, Darryl D.
CS Ausimont, SpA, Bollate, 20021, Italy
SO Journal of Organic Chemistry (1992), 57(18), 5018-19
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 117:111088

L7 ANSWER 57 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1991:239585 CAPLUS
DN 114:239585
TI Gas chromatographic identification of low-boiling fluorine-containing substances by their retention indexes on Silipore 600
AU Zenkevich, I. G.; Tsibul'skaya, I. A.; Rodin, A. A.
CS State Inst. Appl. Chem., Leningr. State Univ., Leningrad, USSR
SO Zhurnal Analiticheskoi Khimii (1991), 46(1), 101-10
CODEN: ZAKHA8; ISSN: 0044-4502
DT Journal
LA Russian

L7 ANSWER 58 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1990:78156 CAPLUS
DN 112:78156
TI Preparation of fluorine-containing olefins by dehydrohalogenation
IN Ihara, Kiyohiko; Yamaguchi, Fumihiko; Yamane, Shinichi
PA Daikin Industries, Ltd., Japan
SO Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--------------------|------|----------|-----------------|----------|
| PI | EP 328148 | A1 | 19890816 | EP 1989-102372 | 19890210 |
| | EP 328148 | B1 | 19920520 | | |
| | R: DE, FR, GB | | | | |
| | JP 01207250 | A | 19890821 | JP 1988-31551 | 19880212 |
| | US 4900874 | A | 19900213 | US 1989-308926 | 19890213 |
| PRAI | JP 1988-31551 | A | 19880212 | | |
| OS | CASREACT 112:78156 | | | | |

L7 ANSWER 59 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1989:231126 CAPLUS
DN 110:231126
TI Preparation of chloromethyl 2,3,3,3-tetrafluoropropanoate
IN Furutaka, Yasuhisa; Yamana, Masayuki; Honda, Tsunetoshi
PA Daikin Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 63303950 | A | 19881212 | JP 1987-140570 | 19870604 |
| | JP 07049391 | B | 19950531 | | |
| PRAI | JP 1987-140570 | | 19870604 | | |
| OS | MARPAT 110:231126 | | | | |

L7 ANSWER 60 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1989:74817 CAPLUS
DN 110:74817
TI Preparation of 2,3,3,3-tetrafluoropropene from chloromethyl 2,3,3,3-tetrafluoropropanoate
IN Furutaka, Yasuhisa; Yamana, Masayuki; Honda, Tsunetoshi
PA Daikin Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | JP 63211245 | A | 19880902 | JP 1987-46135 | 19870227 |
| | JP 06088920 | B | 19941109 | | |
| PRAI | JP 1987-46135 | | 19870227 | | |

L7 ANSWER 61 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1983:421908 CAPLUS
DN 99:21908
TI Reaction of hydroxyl and carbonyl compounds with sulfur tetrafluoride.
IX. Reactions of aliphatic β -diketones with sulfur tetrafluoride
AU Stepanov, I. V.; Burmakov, A. I.; Kunshenko, B. V.; Alekseeva, L. A.;

Yagupol'skii, L. M.
CS Odess. Politekh. Inst., Odessa, USSR
SO Zhurnal Organicheskoi Khimii (1983), 19(2), 273-9
CODEN: ZORKAE; ISSN: 0514-7492
DT Journal
LA Russian
OS CASREACT 99:21908

L7 ANSWER 62 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1976:164254 CAPLUS
DN 84:164254
TI 1-Trifluoromethyl-1,2,2-trifluorocyclobutane
IN Fozzard, George B.
PA Phillips Petroleum Co., USA
SO U. S. Publ. Pat. Appl. B, 5 pp.
CODEN: USXXDP
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 330736 | I5 | 19760203 | US 1973-330736 | 19730208 |
| | US 3996299 | A | 19761207 | | |
| PRAI | US 1973-330736 | A | 19730208 | | |

L7 ANSWER 63 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1976:44253 CAPLUS
DN 84:44253
TI Polyfluoroalkyl derivatives of silicon. XIV. Reaction of trichlorosilane with 1,3,3,3-tetrafluoropropene and 2-chloro-1,3,3,3-tetrafluoropropene
AU Haszeldine, Robert N.; Pool, Colin R.; Tipping, Anthony E.
CS Univ. Manchester Inst. Sci. Technol., Manchester, UK
SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1975), (21), 2292-4
CODEN: JC DTBI; ISSN: 0300-9246
DT Journal
LA English

L7 ANSWER 64 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1971:552133 CAPLUS
DN 75:152133
OREF 75:24001a,24004a
TI Radiation-induced polymerization at high pressure of 2,3,3,3-tetrafluoropropene in bulk and with tetrafluoroethylene
AU Brown, Daniel W.; Lowry, Robert E.; Wall, Leo A.
CS Inst. Mater. Res., Natl. Bur. Stand., Washington, DC, USA
SO Journal of Polymer Science, Polymer Chemistry Edition (1971), 9(7), 1993-2007
CODEN: JPLCAT; ISSN: 0449-296X
DT Journal
LA English

L7 ANSWER 65 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1970:78303 CAPLUS
DN 72:78303
OREF 72:14241a,14244a
TI Free-radical additions to unsaturated systems. XVII. Reaction of trifluoriodomethane with mixtures of ethylene and vinyl fluoride and of ethylene and propene
AU Haszeldine, Robert N.; Keen, D. W.; Tipping, A. E.
CS Chem. Dep., Univ. Manchester Inst. Sci. Technol., Manchester, UK
SO Journal of the Chemical Society [Section] C: Organic (1970), (3), 414-21
CODEN: JSOOAX; ISSN: 0022-4952
DT Journal

LA English

L7 ANSWER 66 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1966:92924 CAPLUS
DN 64:92924
OREF 64:17422a-c
TI Homotelomers of 2,3,3,3-tetrafluoro-1-propene
IN Hauptschein, Murray; Braid, Milton; Lawlor, Francis E.
PA Pennsalt Chemicals Corp.
SO 4 pp.; Continuation-in-part of U.S. 3,083,238 (CA 58, 13815h)
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 3240825 | | 19660315 | US 1963-251073 | 19630114 |

L7 ANSWER 67 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1963:441174 CAPLUS
DN 59:41174
OREF 59:7359b-c
TI Chlorination of 2,2,4-trimethylpentane
AU Fuller, A. E.; Hickinbottom, W. J.
CS Queen Mary Coll., London
SO Proc. Chem. Soc. (1963), (May), 147-8
DT Journal
LA Unavailable

L7 ANSWER 68 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1963:441173 CAPLUS
DN 59:41173
OREF 59:7359a-b
TI 1,1-Difluoroethylene by the copyrolysis of methyl chloride and difluorochloromethane
AU Madai, Helmut; Mueller, Richard
CS Inst. Silikon Fluorkarbonchemie, Radebeul-Dresden, Germany
SO Journal fuer Praktische Chemie (Leipzig) (1963), 19, 202-5
CODEN: JPCEAO; ISSN: 0021-8383
DT Journal
LA Unavailable

L7 ANSWER 69 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1963:409609 CAPLUS
DN 59:9609
OREF 59:1813h,1814a-c
TI Copolymer of 2,3,3,3-tetrafluoropropene and fluorinated conjugated diolefins
IN Lo, Elizabeth S.
PA Minnesota Mining and Manufacturing Co.
SO 6 pp.; Division of U.S. 2,970,988 (CA 55, 12938a)
DT Patent
LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 3085996 | | 19630416 | US 1960-56615 | 19600718 |
| PRAI | US | | 19600718 | | |

L7 ANSWER 70 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1962:45572 CAPLUS
DN 56:45572
OREF 56:8560d-e
TI 2,3,3,3-Tetrafluoropropene
IN Rausch, Douglas A.

PA Dow Chemical Co.
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 2996555 | | 19610815 | US 1959-822733 | 19590625 |
| PRAI | US | | 19590625 | | |

L7 ANSWER 71 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1962:45571 CAPLUS
DN 56:45571
OREF 56:8560b-d
TI Aliphatic bromides
IN Hadley, David James; Gasson, Edward J.
PA Distillers Company Ltd.
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | GB 841745 | | | GB | 19590310 |
| | US 3108141 | | 19631022 | US 1959-800364 | 19590319 |
| PRAI | GB | | 19590310 | | |

L7 ANSWER 72 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:68111 CAPLUS
DN 55:68111
OREF 55:12938a-b
TI Fluorine-containing polymers
IN Lo, Elizabeth S.
PA Minnesota Mining and Manufacturing Co.
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 2970988 | | 19610207 | US 1955-540607 | 19551014 |

L7 ANSWER 73 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:68110 CAPLUS
DN 55:68110
OREF 55:12937h-i,12938a
TI Heterogeneous ethylene-propylene block copolymers
PA "Montecatini" Societa generale per l'industria mineraria e chimica
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|-------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | IT 594018 | | 19590525 | IT | |

L7 ANSWER 74 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:2127 CAPLUS
DN 55:2127
OREF 55:349c-g
TI Reactions of fluoro olefins. XIII. Catalytic hydrogenation of perfluoro olefins
AU Knunyants, I. L.; Krasuskaya, M. P.; Mysov, E. I.
CS Inst. Heteroorg. Compds., Moscow
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1960) 1412-18
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Unavailable

L7 ANSWER 75 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1960:102901 CAPLUS
 DN 54:102901
 OREF 54:19482b-c
 TI 2,3,3,3-Tetrafluoropropene
 IN Marquis, David M.
 PA E. I. du Pont de Nemours & Co.
 DT Patent
 LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 2931840 | | 19600405 | US 1958-776184 | 19581125 |

L7 ANSWER 76 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1960:102900 CAPLUS
 DN 54:102900
 OREF 54:19481i,19482a-b
 TI Chloromethyl dienes
 IN Berenbaum, Morris B.
 PA Thiokol Chemical Corp.
 DT Patent
 LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | US 2937125 | | 19600517 | US 1957-694494 | 19571105 |
| | DE 1086223 | | | DE | |
| | GB 841347 | | | GB | |

L7 ANSWER 77 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1957:76733 CAPLUS
 DN 51:76733
 OREF 51:13737f-i,13738a-c
 TI Addition of free radicals to unsaturated systems. XIII. Direction of radical addition to chloro-1,1-difluoroethylene
 AU Haszeldine, R. N.; Steele, B. R.
 CS Univ. Chem. Lab., Cambridge, UK
 SO Journal of the Chemical Society (1957) 2193-7
 CODEN: JCSOA9; ISSN: 0368-1769
 DT Journal
 LA Unavailable

L7 ANSWER 78 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1946:14644 CAPLUS
 DN 40:14644
 OREF 40:2780h-i,2781a-e
 TI Fluorinated derivatives of propane and propylene. VI
 AU Henne, Albert L.; Waalkes, T. Phillip
 CS Ohio State Univ., Columbus
 SO Journal of the American Chemical Society (1946), 68, 496-7
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA Unavailable

=> s 2252-83-7/rn full
 47 2252-83-7
 0 2252-83-7D
 L8 47 2252-83-7/RN
 (2252-83-7 (NOTL) 2252-83-7D)

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L8 ANSWER 1 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:984772 CAPLUS
 DN 147:346362
 TI Heat transfer composition
 IN Low, Robert Elliott; Corr, Stuart
 PA Ineos Fluor Holdings Limited, UK
 SO Brit. UK Pat. Appl., 44pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | GB 2435747 | A | 20070905 | GB 2006-19503 | 20061003 |
| | GB 2437373 | A | 20071024 | GB 2006-19504 | 20061003 |
| PRAI | GB 2006-14067 | A | 20060717 | | |

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:790061 CAPLUS
 DN 147:191684
 TI Refrigerant additive compositions containing perfluoropolyethers
 IN Leck, Thomas J.; Saturno, Thomas Frank; Bell, Gregory A.
 PA E. I. Du Pont De Nemours and Company, USA
 SO PCT Int. Appl., 32pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2007082046 | A1 | 20070719 | WO 2007-US783 | 20070112 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | US 2007187639 | A1 | 20070816 | US 2007-653125 | 20070112 |
| PRAI | US 2006-758735P | P | 20060113 | | |

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:512186 CAPLUS
 DN 146:503389
 TI Compositions comprising fluoroolefins and uses thereof
 IN Sievert, Allen Capron; Nappa, Mario Joseph; Minor, Barbara Haviland; Leck, Thomas J.; Rao, Velliyur Nott Mallikarjuna; Swearingen, Ekaterina N.; Schmitz, Corneille; Mouli, Nandini; Perti, Deepak
 PA E. I. Du Pont De Nemours and Company, USA
 SO PCT Int. Appl., 133pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2007053697 | A2 | 20070510 | WO 2006-US42686 | 20061031 |
| | WO 2007053697 | A3 | 20070628 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | |
| | US 2007108403 | A1 | 20070517 | US 2006-589588 | 20061030 |
| PRAI | US 2005-732581P | P | 20051101 | | |
| | US 2006-486791 | A | 20060713 | | |
| | US 2006-589588 | A | 20061030 | | |

L8 ANSWER 4 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:488744 CAPLUS
 DN 146:482943
 TI Blowing agents containing unsaturated fluorocarbons for manufacturing plastic foam
 IN Creazzo, Joseph Anthony; Nappa, Mario Joseph; Sievert, Allen Capron; Swearingen, Ekaterina N.
 PA USA
 SO U.S. Pat. Appl. Publ., 19pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|-----------------|----------|
| PI | US 2007100010 | A1 | 20070503 | US 2006-591350 | 20061101 |
| | US 2007100009 | A1 | 20070503 | US 2006-591349 | 20061101 |
| | US 2007100011 | A1 | 20070503 | US 2006-591400 | 20061101 |
| | US 2007102021 | A1 | 20070510 | US 2006-591401 | 20061101 |
| | US 2007105738 | A1 | 20070510 | US 2006-591650 | 20061101 |
| | WO 2007053670 | A2 | 20070510 | WO 2006-US42623 | 20061101 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | WO 2007053672 | A2 | 20070510 | WO 2006-US42633 | 20061101 |
| | WO 2007053672 | A3 | 20070628 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | |

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

WO 2007053673 A2 20070510 WO 2006-US42634 20061101
WO 2007053673 A3 20070705

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

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CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

WO 2007053674 A2 20070510 WO 2006-US42635 20061101

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

WO 2007053675 A2 20070510 WO 2006-US42636 20061101

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

PRAI US 2005-732090P P 20051101

US 2005-732771P P 20051101

OS MARPAT 146:482943

L8 ANSWER 5 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:484988 CAPLUS

DN 146:484217

TI Direct conversion of HCFC 225ca/cb mixture to HFC 245cb and HFC 1234yf

IN Nair, Haridasan; Mukhopadhyay, Sudip; Van Der Puy, Michael

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 6pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007096053 | A1 | 20070503 | US 2005-265949 | 20051103 |
| | WO 2007086972 | A2 | 20070802 | WO 2006-US42704 | 20061031 |
| | WO 2007086972 | A3 | 20071004 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI US 2005-265949 A 20051103

L8 ANSWER 6 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:484723 CAPLUS
 DN 146:464521
 TI Azeotrope compositions comprising nonafluoropentene and hydrogen fluoride
 and uses thereof
 IN Miller, Ralph Newton; Nappa, Mario Joseph; Rao, Velliyur Nott
 Mallikarjuna; Sievert, Allen Capron
 PA USA
 SO U.S. Pat. Appl. Publ., 17pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007099811 | A1 | 20070503 | US 2006-590457 | 20061031 |
| | WO 2007053738 | A2 | 20070510 | WO 2006-US42773 | 20061101 |
| | WO 2007053738 | A3 | 20070920 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI US 2005-732320P P 20051101

L8 ANSWER 7 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:484395 CAPLUS
 DN 146:468564
 TI Aerosol propellants comprising unsaturated fluorocarbons
 IN Nappa, Mario Joseph; Creazzo, Joseph Anthony; Sievert, Allen Capron;
 Swearingen, Ekaterina N.
 PA USA
 SO U.S. Pat. Appl. Publ., 13pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2007098646 | A1 | 20070503 | US 2006-590344 | 20061030 |
| | WO 2007053671 | A1 | 20070510 | WO 2006-US42632 | 20061101 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,

GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRAI US 2005-732292P P 20051101
 OS MARPAT 146:468564

L8 ANSWER 8 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:175432 CAPLUS
 DN 146:231398
 TI Preparation of pentafluoropropenes by chlorofluorination and
 dehydrofluorination
 IN Rao, Velliyur Nott Mallikarjuna; Sievert, Allen C.; Rosenfeld, H. David;
 Subramoney, Shekhar
 PA E. I. Du Pont De Nemours and Company, USA
 SO PCT Int. Appl., 21pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| WO 2007019354 | A1 | 20070215 | WO 2006-US30530 | 20060804 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRAI US 2005-706158P P 20050805
 OS CASREACT 146:231398; MARPAT 146:231398
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:1150221 CAPLUS
 DN 145:473771
 TI Fluoroolefin-based fluorocarbon-hydrocarbon mixtures as working fluids,
 heat transfer agents, and fire extinguishers
 IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
 Bernard; Perti, Deepak; Baunchalk, Mark Steven
 PA USA
 SO U.S. Pat. Appl. Publ., 77pp., Cont.-in-part of U.S. Ser. No. 369,227.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------------|------|----------|-----------------|----------|
| US 2006243945 | A1 | 20061102 | US 2006-393109 | 20060330 |
| US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| PRAI US 2005-658543P | P | 20050304 | | |

US 2005-710439P P 20050823
US 2005-732769P P 20051101
US 2006-369227 A2 20060302

OS MARPAT 145:473771

L8 ANSWER 10 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:917627 CAPLUS

DN 145:317314

TI Low-ozone-depletion and low-global-warming-potential working fluids
containing C3-fluorooolefins

IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
Bernard; Perti, Deepak

PA E.I. Dupont de Nemours and Company, USA

SO PCT Int. Appl., 177 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|--|----------|-----------------|----------|
| PI | WO 2006094303 | A2 | 20060908 | WO 2006-US8164 | 20060303 |
| | WO 2006094303 | A3 | 20070621 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | |
| | RW: | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | |
| | US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| | AU 2006218376 | A1 | 20060908 | AU 2006-218376 | 20060303 |
| | IN 2007DN06834 | A | 20070921 | IN 2007-DN6834 | 20070903 |
| PRAI | US 2005-658543P | P | 20050304 | | |
| | US 2005-710439P | P | 20050823 | | |
| | US 2005-732769P | P | 20051101 | | |
| | US 2006-369227 | A | 20060302 | | |
| | WO 2006-US8164 | W | 20060303 | | |
| OS | MARPAT 145:317314 | | | | |

L8 ANSWER 11 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:544490 CAPLUS

DN 145:28366

TI synthesis of fluorinated divinyl ethers useful for optical devices,
adhesives and coatings

IN Nair, Haridasan K.; Nalewajek, David

PA Honeywell International Inc., USA

SO U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | US 2006122301 | A1 | 20060608 | US 2004-6879 | 20041208 |
| PRAI | US 2004-6879 | | 20041208 | | |

L8 ANSWER 12 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:469480 CAPLUS

DN 144:490632

TI Processes for production and purification of hydrofluoroolefins
 IN Miller, Ralph Newton; Nappa, Mario Joseph; Rao, Velliyur Nott
 Mallikarjuna; Sievert, Allen Capron
 PA USA
 SO U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U.S. Ser. No. 259,901.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 2006106263 | A1 | 20060518 | US 2005-264183 | 20051101 |
| | US 2006094911 | A1 | 20060504 | US 2005-259901 | 20051027 |
| | EP 1805124 | A2 | 20070711 | EP 2005-819557 | 20051028 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU | | | | |
| | WO 2007053178 | A1 | 20070510 | WO 2006-US13361 | 20060411 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| PRAI | US 2004-623210P | P | 20041029 | | |
| | US 2005-259901 | A2 | 20051027 | | |
| | WO 2005-US39169 | W | 20051028 | | |
| | US 2005-264183 | A | 20051101 | | |
| OS | CASREACT 144:490632 | | | | |

L8 ANSWER 13 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:231408 CAPLUS
 DN 144:293235
 TI Fluorinated compounds having epoxy and vinyl ether functional groups
 IN Nair, Haridasan K.; Nalewajek, David; Lavery, Dennis M.
 PA Honeywell International Inc., USA
 SO U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO

DT Patent
 LA English

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | US 2006058428 | A1 | 20060316 | US 2004-942759 | 20040916 |
| PRAI | US 2004-942759 | | 20040916 | | |
| OS | MARPAT 144:293235 | | | | |

L8 ANSWER 14 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:371000 CAPLUS
 DN 140:377043
 TI Compositions containing fluorine substituted olefins
 IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.
 PA Honeywell International Inc., USA
 SO PCT Int. Appl., 29 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 24

| | PATENT-NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|------------------|----------|
| PI | WO 2004037913 | A2 | 20040506 | WO 2003-US33874 | 20031027 |
| | WO 2004037913 | A3 | 20050120 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2503421 | A1 | 20040506 | CA 2003-2503421 | 20031027 |
| | AU 2003286685 | A1 | 20040513 | AU 2003-286685 | 20031027 |
| | US 2004127383 | A1 | 20040701 | US 2003-694079 | 20031027 |
| | US 6858571 | B2 | 20050222 | | |
| | EP 1563032 | A2 | 20050817 | EP 2003-777896 | 20031027 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003015633 | A | 20050823 | BR 2003-15633 | 20031027 |
| | CN 1732243 | A | 20060208 | CN 2003-80107462 | 20031027 |
| | JP 2006512426 | T | 20060413 | JP 2004-547148 | 20031027 |
| | MX 2005PA04292 | A | 20050802 | MX 2005-PA4292 | 20050422 |
| | IN 2005KN00962 | A | 20060721 | IN 2005-KN962 | 20050524 |
| | ZA 2005004236 | A | 20060726 | ZA 2005-4236 | 20050524 |
| PRAI | US 2002-421263P | P | 20021025 | | |
| | US 2002-421435P | P | 20021025 | | |
| | WO 2003-US33874 | W | 20031027 | | |
| OS | MARPAT 140:377043 | | | | |

L8 ANSWER 15 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:185482 CAPLUS
 DN 136:255880
 TI Dry etching gas and method for dry etching
 IN Hirose, Masataka; Nakamura, Shingo; Itano, Mitsushi; Aoyama, Hirokazu
 PA Daikin Industries, Ltd., Japan
 SO PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|------------------|----------|
| PI | WO 2002021586 | A1 | 20020314 | WO 2001-JP7678 | 20010905 |
| | W: JP, KR, US | | | | |
| | TW 507289 | B | 20021021 | TW 2001-90122127 | 20010906 |
| | US 2004011763 | A1 | 20040122 | US 2003-362973 | 20030306 |
| PRAI | JP 2000-271709 | A | 20000907 | | |
| | WO 2001-JP7678 | W | 20010905 | | |

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2001:899603 CAPLUS
 DN 136:53453
 TI The analysis of 1,1,2-trifluoro-1,2-dichloroethane thermal decomposition process
 AU Nikolaev, A. A.; Rozhdestvenskaya, O. V.; Barabanov, V. G.
 CS Russia
 SO Fluorine Notes [online computer file] (2000), 8, No pp. given
 CODEN: FNLOA7
 URL: http://www.fluorine.ru/Notes/contents/history/2000/1_2000/letters/ind

ex.html
PB P&M Ltd.
DT Journal; (online computer file)
LA English
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 17 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:266246 CAPLUS
DN 132:278918
TI Preparation of fluoroalkanes
IN Tamura, Masanori; Sekiya, Akira
PA Agency of Industrial Sciences and Technology, Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | JP 2000119201 | A | 20000425 | JP 1998-289734 | 19981012 |
| | JP 3015880 | B2 | 20000306 | | |
| PRAI | JP 1998-289734 | | 19981012 | | |
| OS | CASREACT 132:278918; MARPAT 132:278918 | | | | |

L8 ANSWER 18 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2000:142533 CAPLUS
DN 132:166716
TI Dehydrofluorination process and catalyst for the manufacture of fluoroalkenes from hydrofluorocarbons
IN Mallikarjuna, Rao V.; Subramanian, Munirpallam A.
PA E. I. Du Pont de Nemours & Co., USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | US 6031141 | A | 20000229 | US 1998-129821 | 19980806 |
| PRAI | US 1997-56793P | P | 19970825 | | |
| OS | MARPAT 132:166716 | | | | |

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 19 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:545813 CAPLUS
DN 129:238725
TI Fluorocarbon dry-etching and cleaning gas
IN Itano, Atsushi
PA Daikin Industries, Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | JP 10223614 | A | 19980821 | JP 1997-27382 | 19970212 |
| | WO 9836449 | A1 | 19980820 | WO 1998-JP496 | 19980205 |
| | W: CN, KR, SG, US RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRAI | JP 1997-27382 | A | 19970212 | | |
| OS | MARPAT 129:238725 | | | | |

L8 ANSWER 20 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1997:74871 CAPLUS
 DN 126:131133
 TI Experimental flow tube study on pyrolysis of 2-chloro-1,1,1-trifluoroethane
 AU Salmon, Robert P.; Ritter, Edward R.
 CS Department of Chemical Engineering, Villanova University, Villanova, PA, 19085, USA
 SO Chemical and Physical Processes in Combustion (1996) 507-510
 CODEN: CPPCD9; ISSN: 0277-1128
 PB Combustion Institute
 DT Journal
 LA English
 OS CASREACT 126:131133
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 21 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1996:171825 CAPLUS
 DN 124:201628
 TI Production of 1,2-dihydro- and 2,2-dihydrohexafluoropropanes and azeotropes thereof with HF
 IN Rao, Velliyur Nott Mallikarjuna; Walczak, Francis John
 PA du Pont de Nemours, E. I., and Co., USA
 SO PCT Int. Appl., 21 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 9532935 | A1 | 19951207 | WO 1995-US5862 | 19950519 |
| | W: JP, US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | US 5563304 | A | 19961008 | US 1994-249405 | 19940526 |
| | EP 763004 | A1 | 19970319 | EP 1995-919129 | 19950519 |
| | EP 763004 | B1 | 20000830 | | |
| | R: DE, ES, FR, GB, IT, NL | | | | |
| | JP 10500957 | T | 19980127 | JP 1995-500047 | 19950519 |
| | ES 2151062 | T3 | 20001216 | ES 1995-919129 | 19950519 |
| | US 6388147 | B1 | 20020514 | US 1999-445742 | 19991210 |
| | US 2002128526 | A1 | 20020912 | US 2002-96295 | 20020311 |
| | US 6472574 | B2 | 20021029 | | |
| PRAI | US 1994-249405 | A | 19940526 | | |
| | WO 1995-US5862 | W | 19950519 | | |
| | US 1999-445742 | A3 | 19991210 | | |

L8 ANSWER 22 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1995:347097 CAPLUS
 DN 122:105244
 TI Dehydrofluorination and hydrogenation process and catalysts for the manufacture of 1,1,1,2,3-pentafluoropropane from 1,1,1,2,3,3-hexafluoropropane
 IN Nappa, Mario Joseph; Rao, Velliyur Nott Mallikarjuna
 PA du Pont de Nemours, E. I., and Co., USA
 SO PCT Int. Appl., 14 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | WO 9427940 | A1 | 19941208 | WO 1994-US5488 | 19940520 |

W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ,
LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT,
UA, UZ, VN
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,
BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
US 5396000 A 19950307 US 1993-66451 19930524
AU 9469148 A 19941220 AU 1994-69148 19940520
EP 700372 A1 19960313 EP 1994-917412 19940520
R: DE, ES, FR, GB, IT, NL
JP 08510739 T 19961112 JP 1994-500747 19940520
PRAI US 1993-66451 A 19930524
WO 1994-US5488 W 19940520
OS CASREACT 122:105244

L8 ANSWER 23 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1994:435866 CAPLUS
DN 121:35866
TI Preparation of fluoro(1-pentafluoro-1-propenyl)trialkylphosphorane as
fluorinating reagent and fluorinating method
IN Aoyama, Hirokazu
PA Daikin Industries Ltd., Japan
SO PCT Int. Appl., 11 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 9403414 | A1 | 19940217 | WO 1993-JP1014 | 19930719 |
| | W: US | | | | |
| | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | JP 06056858 | A | 19940301 | JP 1992-224591 | 19920731 |
| | JP 3142025 | B2 | 20010307 | | |
| | EP 650948 | A1 | 19950503 | EP 1993-916197 | 19930719 |
| | EP 650948 | B1 | 19990421 | | |
| | R: DE, FR, GB | | | | |
| | US 5527960 | A | 19960618 | US 1995-373280 | 19950124 |
| PRAI | JP 1992-224591 | A | 19920731 | | |
| | WO 1993-JP1014 | W | 19930719 | | |
| OS | CASREACT 121:35866; MARPAT 121:35866 | | | | |

L8 ANSWER 24 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1989:496535 CAPLUS
DN 111:96535
TI Effect of substituents at position 1 on the carbon-13 chemical shift of
polyfluorinated alkenes and allyl cations
AU Bakhmutov, V. I.; Galakhov, M. V.; Kvasov, B. A.; Fedin, E. I.
CS Inst. Elementoorg. Soedin., Moscow, USSR
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1989), (2), 286-91
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Russian

L8 ANSWER 25 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1989:230981 CAPLUS
DN 110:230981
TI Direct carbon-13-fluorine-19 spin coupling constants of the sp² carbon
atoms in polyfluorinated olefins and allyl cations
AU Bakhmutov, V. I.; Galakhov, M. V.; Kvasov, B. A.; Fedin, E. I.
CS Inst. Elementoorg. Soedin. im. Nesmeyanova, Moscow, USSR
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1988), (10), 2277-81
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Russian

L8 ANSWER 26 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1987:636016 CAPLUS
 DN 107:236016
 TI Synthesis of perfluoroallyl chloride and some chlorofluoropropenes
 AU Paleta, Oldrich; Kvicala, Jaroslav; Gunter, Jaroslav; Dedek, Vaclav
 CS Dep. Org. Chem., Prague Inst. Chem. Technol., Prague, 16628/6, Czech.
 SO Bulletin de la Societe Chimique de France (1986), (6), 920-4
 CODEN: BSCFAS; ISSN: 0037-8968
 DT Journal
 LA English
 OS CASREACT 107:236016

L8 ANSWER 27 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1982:598586 CAPLUS
 DN 97:198586
 TI A comparative study on some fluoroalcohols as potential solvents for
 aliphatic polyamides
 AU Costa, Giovanna; Russo, Saverio; Bonardelli, Piergiorgio; Moggi, Giovanni
 CS Cent. Stud. Chim. Fis. Macromol. Sintet. Nat., CNR, Genoa, 16132, Italy
 SO Journal of Macromolecular Science, Chemistry (1982), A18(2), 299-312
 CODEN: JMCHBD; ISSN: 0022-233X
 DT Journal
 LA English

L8 ANSWER 28 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1982:562263 CAPLUS
 DN 97:162263
 TI Electrophilic condensation of 1-hydroperfluoropropylene and
 1-hydroperfluorobut-4-ene with fluorinated ethylenes
 AU Petrov, V. A.; Belen'kii, G. G.; German, L. S.
 CS Inst. Elementoorg. Soedin., Moscow, USSR
 SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1982), (7), 1591-4
 CODEN: IASKA6; ISSN: 0002-3353
 DT Journal
 LA Russian
 OS CASREACT 97:162263

L8 ANSWER 29 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1976:16683 CAPLUS
 DN 84:16683
 TI Polyfluorocarbanion chemistry. IV. Reactions of 2H- and
 1H-pentafluoropropene with nucleophiles
 AU Haszeldine, Robert N.; McAllister, James R.; Tipping, Anthony E.
 CS Dep. Chem., Univ. Manchester Inst. Sci. Technol., Manchester, UK
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and
 Bio-Organic Chemistry (1972-1999) (1975), (20), 2015-19
 CODEN: JCPRB4; ISSN: 0300-922X
 DT Journal
 LA English

L8 ANSWER 30 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1975:592468 CAPLUS
 DN 83:192468
 TI Polyfluoroalkyl derivatives of nitrogen. XLII. Reaction of
 N-(bromobis(trifluoromethyl)amine with 1H-pentafluoropropene and the
 thermal rearrangement of N,N-bis(trifluoromethyl)vinylamines
 AU Fleming, George L.; Haszeldine, Robert N.; McAllister, James R.; Tipping,
 Anthony E.
 CS Chem. Dep., Univ. Manchester Inst. Sci. Technol., Manchester, UK
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and
 Bio-Organic Chemistry (1972-1999) (1975), (17), 1633-8
 CODEN: JCPRB4; ISSN: 0300-922X
 DT Journal

LA English

L8 ANSWER 31 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1974:535347 CAPLUS

DN 81:135347

TI Addition of free radicals to unsaturated systems. XXI. Reactions of 1H-pentafluoropropene with bromine, hydrogen bromide, and trifluoroiodomethane under free-radical conditions

AU Haszeldine, Robert N.; McAllister, James R.; Tipping, Anthony E.

CS Chem. Dep., Univ. Manchester Inst. Sci. Technol., Manchester, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1974), (11), 1303-7

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L8 ANSWER 32 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1970:530575 CAPLUS

DN 73:130575

OREF 73:21281a,21284a

TI Azide chemistry. III. Polyfluorinated azides from 1H- and 2H-pentafluoropropene and perfluorobut-2-yne

AU Banks, Ronald E.; McGlinchey, M. J.

CS Inst. Sci. Technol., Univ. Manchester, Manchester, UK

SO Journal of the Chemical Society [Section] C: Organic (1970), (16), 2172-5

CODEN: JSOOAX; ISSN: 0022-4952

DT Journal

LA English

L8 ANSWER 33 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1966:404712 CAPLUS

DN 65:4712

OREF 65:903a-d

TI Elastomeric, fluorine-containing copolymers and shaped articles therefrom

PA "Montecatini" Societa generale per l'industria mineraria e chimica

SO 17 pp.

DT Patent

LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| | ----- | ---- | ----- | ----- | ----- |
| PI | NL 6509095 | | 19660201 | NL 1965-9095 | 19650714 |
| | BE 667693 | | | BE | |
| PRAI | IT | | 19640731 | | |

L8 ANSWER 34 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1966:4238 CAPLUS

DN 64:4238

OREF 64:753c-d

TI Chemistry of the metal carbonyls. XXXI. Reactions between some fluoro olefins and carbonylmetal anions

AU Jolly, P. W.; Bruce, M. I.; Stone, F. G. A.

CS Univ. Bristol, UK

SO Journal of the Chemical Society (1965), (Nov.), 5830-7

CODEN: JCSOA9; ISSN: 0368-1769

DT Journal

LA English

L8 ANSWER 35 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1966:1218 CAPLUS

DN 64:1218

OREF 64:194a

TI A correlation of 19F-19F geminal coupling constants with chemical shifts in the nuclear magnetic resonance spectra of fluoroalkenes

AU Reuben, J.; Shvo, Y.; Demiel, A.
CS Weizmann Inst. Sci., Rehovoth, Israel
SO Journal of the American Chemical Society (1965), 87(17), 3995-6
CODEN: JACSAT; ISSN: 0002-7863
DT Journal
LA English

L8 ANSWER 36 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:447254 CAPLUS
DN 63:47254
OREF 63:8617c-e
TI Fluoro olefin copolymers for coatings
IN Sianesi, Dario; Bernardi, Gian C.; Reggio, Antonino
PA "Montecatini" Societa Generale per l'Industria Mineraria e Chimica
SO 27 pp.
DT Patent
LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|------|
| PI | BE 645894 | | 19640716 | BE | |
| | GB 1032244 | | | GB | |
| PRAI | IT | | 19630401 | | |

L8 ANSWER 37 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:447253 CAPLUS
DN 63:47253
OREF 63:8617b-c
TI Dioxolane derivatives as additives for epoxy coating resins
IN Kasper, Eberhard
SO 3 pp.
DT Patent
LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|----------|
| PI | DD 36579 | | 19650205 | DD | 19631026 |
| PRAI | DD | | 19631026 | | |

L8 ANSWER 38 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:424860 CAPLUS
DN 63:24860
OREF 63:4477h,4478a
TI Thermoplastic fluoro polymers
IN Sianesi, Dario; Bernardi, Gian C.; Diotallevi, Gianfranco
PA "Montecatini" Societa Generale per l'Industria Mineraria e Chimica
SO 20 pp.
DT Patent
LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|------|
| PI | BE 642942 | | 19640724 | BE | |
| | FR 1384989 | | | FR | |
| | GB 1027411 | | | GB | |
| | IT 682050 | | | IT | |
| | NL 302844 | | | NL | |
| PRAI | IT | | 19630125 | | |

L8 ANSWER 39 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:424859 CAPLUS
DN 63:24859
OREF 63:4477f-h
TI Stabilized polyolefin molding materials

IN Hrubesch, Adolf; Moeller, Hans; Herbeck, Rudolf
PA Badische Anilin- & Soda-Fabrik A.-G.
SO 2 pp.
DT Patent
LA Unavailable
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------------|------|----------|----------------------|----------|
| PI | DE 1193247 BE 652548 | | 19650520 | DE 1963-B73384 BE | 19630904 |
| PRAI | DE | | 19630904 | | |

L8 ANSWER 40 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1965:62872 CAPLUS
DN 62:62872
OREF 62:11165b-c
TI Molar refractivity in fluorine-containing perhalo compounds
AU Fainberg, Arnold H.; Miller, William T., Jr.
CS Cornell Univ., Ithaca, NY
SO Journal of Organic Chemistry (1965), 30(3), 864-76
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English

L8 ANSWER 41 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1964:72748 CAPLUS
DN 60:72748
OREF 60:12797c-d
TI Chemical shifts and temperature dependence of spin-spin coupling constants of fluoropropenes
AU Ramey, Kermit C.; Brey, Wallace S., Jr.
CS Univ. of Florida, Gainesville
SO Journal of Chemical Physics (1964), 40(8), 2349-53
CODEN: JCPSA6; ISSN: 0021-9606
DT Journal
LA Unavailable

L8 ANSWER 42 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1963:421248 CAPLUS
DN 59:21248
OREF 59:3754f-h,3755a
TI Some gas-phase reactions of fluoroallyl halides
AU Tarrant, Paul; Savory, John
CS Univ. of Florida, Gainesville
SO Journal of Organic Chemistry (1963), 28, 1728-30
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA Unavailable

L8 ANSWER 43 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:2127 CAPLUS
DN 55:2127
OREF 55:349c-g
TI Reactions of fluoro olefins. XIII. Catalytic hydrogenation of perfluoro olefins
AU Knunyants, I. L.; Krasuskaya, M. P.; Mysov, E. I.
CS Inst. Heteroorg. Compds., Moscow
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1960) 1412-18
CODEN: IASKA6; ISSN: 0002-3353
DT Journal
LA Unavailable

L8 ANSWER 44 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1961:2126 CAPLUS

DN 55:2126
 OREF 55:349b-c
 TI Organomagnesium synthesis of 2-octyl-1,3-butadiene
 AU Korotkov, A. A.; Lishanskii, I. S.; Fedorova, E. F.
 CS High Polymer Inst., Leningrad
 SO Zhurnal Obshchei Khimii (1960), 30, 960-2
 CODEN: ZOKHA4; ISSN: 0044-460X
 DT Journal
 LA Unavailable

L8 ANSWER 45 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1959:6354 CAPLUS
 DN 53:6354
 OREF 53:1102b-c
 TI Catalytic hydrogenation of ϕ -olefins
 AU Knunyants, I. L.; Mysov, E. I.; Krasuskaya, M. P.
 CS Inst. Heteroorg. Compds., Moscow
 SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1958) 906-7
 CODEN: IASKA6; ISSN: 0002-3353
 DT Journal
 LA Unavailable

L8 ANSWER 46 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1959:6353 CAPLUS
 DN 53:6353
 OREF 53:1101i,1102a-b
 TI The stabilization of aliphatic iodine and bromine derivatives of hydrocarbons
 AU Lastovskii, R. P.; Temkina, V. Ya.
 SO Khim. Prom. (1958) 219-21
 DT Journal
 LA Unavailable

L8 ANSWER 47 OF 47 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1954:42259 CAPLUS
 DN 48:42259
 OREF 48:7534a-i
 TI The addition of free radicals to unsaturated systems. III. Chlorotrifluoroethylene
 AU Haszeldine, R. N.; Steele, B. R.
 CS Univ., Cambridge, UK
 SO Journal of the Chemical Society (1953) 1592-1600
 CODEN: JCSOA9; ISSN: 0368-1769
 DT Journal
 LA Unavailable

=> s 2252-83-7/rn and 754-12-1/rn full
 47 2252-83-7
 0 2252-83-7D
 47 2252-83-7/RN
 (2252-83-7 (NOTL) 2252-83-7D)
 78 754-12-1
 0 754-12-1D
 78 754-12-1/RN
 (754-12-1 (NOTL) 754-12-1D)
 L9 12 2252-83-7/RN AND 754-12-1/RN

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L9 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2007:984772 CAPLUS
 DN 147:346362
 TI Heat transfer composition

IN Low, Robert Elliott; Corr, Stuart
PA Ineos Fluor Holdings Limited, UK
SO Brit. UK Pat. Appl., 44pp.
CODEN: BAXXDU

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|----------|
| PI | GB 2435747 | A | 20070905 | GB 2006-19503 | 20061003 |
| | GB 2437373 | A | 20071024 | GB 2006-19504 | 20061003 |
| PRAI | GB 2006-14067 | A | 20060717 | | |

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:790061 CAPLUS

DN 147:191684

TI Refrigerant additive compositions containing perfluoropolyethers

IN Leck, Thomas J.; Saturno, Thomas Frank; Bell, Gregory A.

PA E. I. Du Pont De Nemours and Company, USA

SO PCT Int. Appl., 32pp.

CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2007082046 | A1 | 20070719 | WO 2007-US783 | 20070112 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | US 2007187639 | A1 | 20070816 | US 2007-653125 | 20070112 |

PRAI US 2006-758735P P 20060113

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:512186 CAPLUS

DN 146:503389

TI Compositions comprising fluoroolefins and uses thereof

IN Sievert, Allen Capron; Nappa, Mario Joseph; Minor, Barbara Haviland; Leck, Thomas J.; Rao, Velliyur Nott Mallikarjuna; Swearingen, Ekaterina N.; Schmitz, Corneille; Mouli, Nandini; Perti, Deepak

PA E. I. Du Pont De Nemours and Company, USA

SO PCT Int. Appl., 133pp.

CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2007053697 | A2 | 20070510 | WO 2006-US42686 | 20061031 |
| | WO 2007053697 | A3 | 20070628 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
 KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
 MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
 RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

US 2007108403 A1 20070517 US 2006-589588 20061030
 PRAI US 2005-732581P P 20051101
 US 2006-486791 A 20060713
 US 2006-589588 A 20061030

L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:488744 CAPLUS

DN 146:482943

TI Blowing agents containing unsaturated fluorocarbons for manufacturing
 plastic foam

IN Creazzo, Joseph Anthony; Nappa, Mario Joseph; Sievert, Allen Capron;
 Swearingen, Ekaterina N.

PA USA

SO U.S. Pat. Appl. Publ., 19pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2007100010 | A1 | 20070503 | US 2006-591350 | 20061101 |
| | US 2007100009 | A1 | 20070503 | US 2006-591349 | 20061101 |
| | US 2007100011 | A1 | 20070503 | US 2006-591400 | 20061101 |
| | US 2007102021 | A1 | 20070510 | US 2006-591401 | 20061101 |
| | US 2007105738 | A1 | 20070510 | US 2006-591650 | 20061101 |
| | WO 2007053670 | A2 | 20070510 | WO 2006-US42623 | 20061101 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | WO 2007053672 | A2 | 20070510 | WO 2006-US42633 | 20061101 |
| | WO 2007053672 | A3 | 20070628 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | WO 2007053673 | A2 | 20070510 | WO 2006-US42634 | 20061101 |

WO 2007053673 A3 20070705
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

WO 2007053674 A2 20070510 WO 2006-US42635 20061101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

WO 2007053675 A2 20070510 WO 2006-US42636 20061101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI US 2005-732090P P 20051101
US 2005-732771P P 20051101
OS MARPAT 146:482943

L9 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:484988 CAPLUS
DN 146:484217
TI Direct conversion of HCFC 225ca/cb mixture to HFC 245cb and HFC 1234yf
IN Nair, Haridasan; Mukhopadhyay, Sudip; Van Der Puy, Michael
PA Honeywell International Inc., USA
SO U.S. Pat. Appl. Publ., 6pp.
CODEN: USXXCO

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2007096053 | A1 | 20070503 | US 2005-265949 | 20051103 |
| | WO 2007086972 | A2 | 20070802 | WO 2006-US42704 | 20061031 |
| | WO 2007086972 | A3 | 20071004 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, | | | | |

RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
 TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI US 2005-265949 A 20051103

L9 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:484395 CAPLUS

DN 146:468564

TI Aerosol propellants comprising unsaturated fluorocarbons

IN Nappa, Mario Joseph; Creazzo, Joseph Anthony; Sievert, Allen Capron;
 Swearingen, Ekaterina N.

PA USA

SO U.S. Pat. Appl. Publ., 13pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2007098646 | A1 | 20070503 | US 2006-590344 | 20061030 |
| | WO 2007053671 | A1 | 20070510 | WO 2006-US42632 | 20061101 |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, | | | | |
| | KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, | | | | |
| | MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, | | | | |
| | RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, | | | | |
| | TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, | | | | |
| | GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |
| | KG, KZ, MD, RU, TJ, TM | | | | |

PRAI US 2005-732292P P 20051101

OS MARPAT 146:468564

L9 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:1150221 CAPLUS

DN 145:473771

TI Fluoroolefin-based fluorocarbon-hydrocarbon mixtures as working fluids,
 heat transfer agents, and fire extinguishers

IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
 Bernard; Perti, Deepak; Baunchalk, Mark Steven

PA USA

SO U.S. Pat. Appl. Publ., 77pp., Cont.-in-part of U.S. Ser. No. 369,227.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | US 2006243945 | A1 | 20061102 | US 2006-393109 | 20060330 |
| | US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| PRAI | US 2005-658543P | P | 20050304 | | |
| | US 2005-710439P | P | 20050823 | | |
| | US 2005-732769P | P | 20051101 | | |
| | US 2006-369227 | A2 | 20060302 | | |
| OS | MARPAT 145:473771 | | | | |

L9 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:917627 CAPLUS
 DN 145:317314
 TI Low-ozone-depletion and low-global-warming-potential working fluids
 containing C3-fluoroolefins
 IN Minor, Barbara Haviland; Rao, Velliyur Nott Mallikarjuna; Bivens, Donald
 Bernard; Perti, Deepak
 PA E.I. Dupont de Nemours and Company, USA
 SO PCT Int. Appl., 177 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2006094303 | A2 | 20060908 | WO 2006-US8164 | 20060303 |
| | WO 2006094303 | A3 | 20070621 | | |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, | | | | |
| | KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, | | | | |
| | MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, | | | | |
| | SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, | | | | |
| | VN, YU, ZA, ZM, ZW | | | | |
| | RW: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, | | | | |
| | CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, | | | | |
| | GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, | | | | |
| | KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA | | | | |
| | US 2006243944 | A1 | 20061102 | US 2006-369227 | 20060302 |
| | AU 2006218376 | A1 | 20060908 | AU 2006-218376 | 20060303 |
| | IN 2007DN06834 | A | 20070921 | IN 2007-DN6834 | 20070903 |
| PRAI | US 2005-658543P | P | 20050304 | | |
| | US 2005-710439P | P | 20050823 | | |
| | US 2005-732769P | P | 20051101 | | |
| | US 2006-369227 | A | 20060302 | | |
| | WO 2006-US8164 | W | 20060303 | | |
| OS | MARPAT 145:317314 | | | | |

L9 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2006:469480 CAPLUS
 DN 144:490632
 TI Processes for production and purification of hydrofluoroolefins
 IN Miller, Ralph Newton; Nappa, Mario Joseph; Rao, Velliyur Nott
 Mallikarjuna; Sievert, Allen Capron
 PA USA
 SO U.S. Pat. Appl. Publ., 27 pp., Cont.-in-part of U.S. Ser. No. 259,901.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | US 2006106263 | A1 | 20060518 | US 2005-264183 | 20051101 |
| | US 2006094911 | A1 | 20060504 | US 2005-259901 | 20051027 |
| | EP 1805124 | A2 | 20070711 | EP 2005-819557 | 20051028 |
| | R: | | | | |
| | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, | | | | |
| | IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, | | | | |
| | BA, HR, MK, YU | | | | |
| | WO 2007053178 | A1 | 20070510 | WO 2006-US13361 | 20060411 |
| | W: | | | | |
| | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, | | | | |
| | CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, | | | | |
| | GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, | | | | |
| | KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, | | | | |
| | MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, | | | | |

SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
 VN, YU, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM

PRAI US 2004-623210P P 20041029
 US 2005-259901 A2 20051027
 WO 2005-US39169 W 20051028
 US 2005-264183 A 20051101

OS CASREACT 144:490632

L9 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2004:371000 CAPLUS

DN 140:377043

TI Compositions containing fluorine substituted olefins

IN Singh, Rajiv R.; Pham, Hang T.; Wilson, David P.; Thomas, Raymond H.

PA Honeywell International Inc., USA

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 24

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------|----------|
| PI | WO 2004037913 | A2 | 20040506 | WO 2003-US33874 | 20031027 |
| | WO 2004037913 | A3 | 20050120 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2503421 | A1 | 20040506 | CA 2003-2503421 | 20031027 |
| | AU 2003286685 | A1 | 20040513 | AU 2003-286685 | 20031027 |
| | US 2004127383 | A1 | 20040701 | US 2003-694079 | 20031027 |
| | US 6858571 | B2 | 20050222 | | |
| | EP 1563032 | A2 | 20050817 | EP 2003-777896 | 20031027 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | BR 2003015633 | A | 20050823 | BR 2003-15633 | 20031027 |
| | CN 1732243 | A | 20060208 | CN 2003-80107462 | 20031027 |
| | JP 2006512426 | T | 20060413 | JP 2004-547148 | 20031027 |
| | MX 2005PA04292 | A | 20050802 | MX 2005-PA4292 | 20050422 |
| | IN 2005KN00962 | A | 20060721 | IN 2005-KN962 | 20050524 |
| | ZA 2005004236 | A | 20060726 | ZA 2005-4236 | 20050524 |

PRAI US 2002-421263P P 20021025
 US 2002-421435P P 20021025
 WO 2003-US33874 W 20031027

OS MARPAT 140:377043

L9 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:185482 CAPLUS

DN 136:255880

TI Dry etching gas and method for dry etching

IN Hirose, Masataka; Nakamura, Shingo; Itano, Mitsushi; Aoyama, Hirokazu

PA Daikin Industries, Ltd., Japan

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|------------------|----------|
| PI | WO 2002021586 | A1 | 20020314 | WO 2001-JP7678 | 20010905 |
| | W: JP, KR, US | | | | |
| | TW 507289 | B | 20021021 | TW 2001-90122127 | 20010906 |
| | US 2004011763 | A1 | 20040122 | US 2003-362973 | 20030306 |
| PRAI | JP 2000-271709 | A | 20000907 | | |
| | WO 2001-JP7678 | W | 20010905 | | |

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1961:2127 CAPLUS

DN 55:2127

OREF 55:349c-g

TI Reactions of fluoro olefins. XIII. Catalytic hydrogenation of perfluoro olefins

AU Knunyants, I. L.; Krasuskaya, M. P.; Mysov, E. I.

CS Inst. Heteroorg. Compds., Moscow

SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1960) 1412-18

CODEN: IASKA6; ISSN: 0002-3353

DT Journal

LA Unavailable

=> d his

(FILE 'HOME' ENTERED AT 11:22:51 ON 30 OCT 2007)

FILE 'REGISTRY' ENTERED AT 11:23:01 ON 30 OCT 2007

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| L1 | 0 S 1,1,1,2-PENTAFLUOROPROPENE |
| L2 | 0 S 1,1,1,2-PENTAFLUOROPROPYLENE |
| L3 | 0 S HFO-1234 |
| L4 | 28 S PENTAFLUOROPROPENE |
| L5 | 33 S TETRAFLUOROPROPENE |

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FILE 'CAPLUS' ENTERED AT 11:31:47 ON 30 OCT 2007

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| L6 | 78 S 754-12-1/RN |
| L7 | 78 S 754-12-1/RN FULL |
| L8 | 47 S 2252-83-7/RN FULL |
| L9 | 12 S 2252-83-7/RN AND 754-12-1/RN FULL |
| L10 | 3 S 2252-83-7/RN AND LUBRICANT |